

# Classifying Aroma Chemicals

Glen O. Brechbill

FRAGRANCE BOOKS INC.

[www.perfumerbook.com](http://www.perfumerbook.com)

New Jersey - USA

2007

GLEN O. BRECHBILL

To my parents & brothers family whose  
faith in my work & abilities  
made this  
manuscript possible

II

CLASSIFYING AROMA CHEMICALS ©

This book is a work of non fiction. No part of the book may be used or reproduced in any manner whatsoever without written permission from the author except in the case of brief quotations embodied in critical articles and reviews. Please note this book is based on A Reference Book on Fragrances ©.

Designed by Glen O. Brechbill

Library of Congress

Brechbill, Glen O.

Classifying Aroma Chemicals / Glen O. Brechbill

P. cm. 229 pgs.

1. Fragrance Ingredients Non Fiction. 2. Written odor descriptions to facillitate the understanding of the olfactory language. 1. Essential Oils. 2. Aromas. 3. Chemicals. 4. Classification. 5. Source. 6. Art. 7. Several thousand fragrance ingredients. 8. Science. 9. Creativity. I. Title.

20072708

Certificate Registry # TXu1- 363 - 645

Copyright © 2007 by Glen O. Brechbill

All Rights Reserved

PRINTED IN THE UNITED STATES OF AMERICA

10 9 8 7 6 5 4 3 2 1

First Edition

The million dollar answer to the age old question is how to classify fragrance ingredients? There are a number of different ways this can be accomplished. For myself I found with my personal book of notes to do this alphabetically. It's easier to keep items in order, and to add new materials as they come available. One drawback to this method, however, as your book of note's expands a new copy needs to be printed out. Possessing a laser printer including lots of paper helps.

Enclosed are some of the tried and true methods of classifying ingredients going back to the 19th century. You will note unless the note's were done by grouping's most were in alphabetical order. As the complexity of the product including synthetics expands it becomes more complicated keeping the fascinating information in order. Nevertheless, I found the enclosed the very best historical guides to classifying aroma chemicals based in part on my extensive bibliography of books.

Each fragrance ingredient is open to a myriad description. Take two creative artists trained in the same house, and hand them a sample a different fragrance, and odor description will result. Again, if one identifies Citronellol for example as citrus green, and in reality it is a rose material the composition more then likely will not work.

My books represent many thousand hours of work researching the meaning behind fragrance ingredients. It is my hope that my tools will be of assistance to you developing your knowledge to the fascinating creative art.

# Classifying Aroma Chemicals

Glen O. Brechbill

IV

Title	I
Copyright	II
About the Book	III
Index	IV - V
The Family of Fragrance Notes	Pages
Foral	6 - 24
Fruity	25 - 30
Citrus	31 - 44
Fresh Air, Ozone	45 - 46
Rose	47 - 56
Violet	57 - 62
Jasmin	63 - 65
Green	66 - 70
Herbaceous	71 - 74
Diffusive	75 - 82
Musk	83 - 87
Woody	88 - 92

Spicy	93 - 96
Ethereal, Winey, Liquor	97 - 98
Earth, Honey, Nut	99 - 100
Moss	101- 102
Leather	103 - 104
Amber	105
Tobacco	106
American Society of Perfumers - Classification of Olfactory Notes	107 - 111
Biolandes Parfumerie Odor Classification	112
Prodarom's Training Manual for Student Perfumer's	113 - 114
Thailand's Essential Oil Map of the World	115 - 118
Treatt World Map of Fragrance Ingredients	119 - 124
Perfumer's First Notes	125 - 139
Classification Methods	140 - 202
Hidden Sentiments of Plant Lore	203 - 226
Bibliography	227 - 229

Floral Fragrance Chemicals

6

Acetate Eugenol	Sweet spicy carnation.
Acetate C - 8	Fruity, slightly fatty waxy floral odor.
Acetate C - 9	Powerful fruity green leafy.
Acetate Iso Eugenol	Balsamic, warm faintly spicy.
Acetophenone	Pungent sweet odor, dilution - resembles hawthorne.
Adoxal	Sweet floral waxy rosy referred to as ozone like.
Alcohol C - 8	Powerful fresh, orange rose like waxy and sweet odor.
Alcohol C - 9	Powerful oily floral fresh petal like, dilution - rosy.
Alcohol C - 10	Sweet slightly fatty oily waxy floral odor.
Alcohol C - 11 Lenic	Fresh rather fatty odor citrusy waxy rosy, petal like note.
Aldehyde C - 8	Soft woody green mildly floral odor.
Aldehyde C - 9	Diffusive fatty floral waxy odor.
Aldehyde C - 11 Cyclic	Pleasant waxy floral refreshing odor.
Aldehyde C - 11 Lenic	Powerful waxy rosy citrusy odor.
Aldehyde C - 11 Undecyclic	Fatty odor green floral.
Aldehyde C - 12 Lauric	Fresh sweet waxy herbaceous clean floral odor.
Aldron	Floral.
Allyl Ionone	Oily sweet slight flowery, but also fruity woody bark like green.

Alpha Damascone	Intense fruity reminiscent of plums and roses.
Alpha Ionone	Soft warm, orris violet like, sweet and extremely diffusive.
Alpha Ionone 60	Mild floral violet odor.
Alpha Ionone White Coeur	Floral violet like.
Alpha Terpineol Extra	Delicately floral and sweet of lilac type.
Ambrette	A fragrance with a floral musk like scent.
Ambrette XNM	Sweet, but heavy floral musk odor.
Ambrettolide	Floral musky sweet odor.
Ambrose Abs.	A very strong green floral type fragrance.
Amyl Cinnamic Alcohol	Mild oily waxy floral and sweet.
Amyl Cinnamic Aldehyde	Mild herbaceous reminiscent of many types of flowers.
A C A Di Methyl Acetal	Peculiar animal green odor reminiscent of parts of jasmin.
Amyl Salicylate	Sweet herbaceous green slightly floral.
Anatoly	A floral material originating in Western Turkey.
Andrane	A very faint nondescript odor of floral type not sweet or green.
Anisic Aldehyde	Intensely sweet floral yet somewhat hay like hawthorne.
Anisyl Acetate	Mildly fruity floral slightly balsamic vanilla like in plums, lilac.
Anisyl Alcohol	Mildly floral sweet odor reminiscent of vanilla.
Argumen Aldehyde	Floral aldehydic hyacinth type.
Aurantesin	Sweet floral odor reminiscent of orange blossom.
Aurantiol	Very sweet heavy floral orange blossom to linden flowers.
Balinol	A green floral compound.
Benzophenone	Powdery geranium rose like.

Benzyl Acetate	Pw thin sweet fresh fruity floral of jasmin gardenia muguet lily.
Benzyl Butyl Ether	Sweet fresh floral and somewhat chemical.
Benzyl Butyrate	Heavy fruity floral, plum like.
Benzyl Iso Amyl Ether	Floral fruity odor somewhat greener and herby then benzyl acetate.
Benzyl Iso Eugenol	Faint rosy balsamic carnation.
Benzyl Phenyl Acetate	Mild sweet honey floral.
Benzyl Salicylate	Very faint sweet floral.
Beta Ionone	Warm woody dry floral odor with a fruity undertone.
Bois Amberene Forte	Green floral odor.
Bois De Rose Oil	Floral odor reminiscent of rose orange mignoette.
Boisinal	A very weak and sweet fruity floral odor.
Bonorax	An extremely green floral, not excessively sweet or cloying.
Bourgenal	A powerful muguet floral note.
Bromystrol Alpha	Pungent sweet grassy floral odor, reminiscent of hyacinth.
Bromystrol Omega	Powerful pungent floral somewhat grassy odor Rem of hyacinth.
Brouts Abs. Eau D ' Oranger	Strong and tenacious odor, musty dry faintly floral.
Camomile German	Typically sweet, and herbaceous.
Camomile Moroccan	Similar to above and below except for a rose, honey character.
Camomile Roman	Characteristic odor of the flowers, fresh, sweet, herbaceous.
Cananga Oil Java	Sweet and floral, ylang ylang oil, jasmin.
Cassie Abs.	Powerful strong spicy floral odor.
Cassie Bengale	A spicy floral odor whose source is located in s.e. asia
Cassione	Intensely sweet floral, very slightly woody powdery.



Cassis Base 345B	A green fruity floral character.
Cassis A 50339/779602	Fruity green sweet and very delicate, but at same time tenacious.
Cassis D 500608 - 735395	A strong green floral slightly sweet material.
Cassis Fragrance	Strong green fruity floral fragrance.
Cassis Givco	Very diffusive strong green fruity floral odor.
Cetone Alpha	Tenacious floral violet compound.
Chamomile Flowers AF - 26	A herbaceous reproduction of the true flower oil
Cinnamalva	Powerful warm spicy oily slight floral.
Cinnamyl Acetate	Sweet mild balsamic slightly floral fruity odor.
Cinnamyl Iso Valerate	Fresh, but delicately floral rosy odor.
CIS Jasmone	Diffusive, warm spicy fruity, dilution - floral.
Citronella Oil Java	Fresh and sweet revealing high content of citronellol rose odor.
Citronellol Oil Coeur	Fresh, rosy, floral rosy.
Citronellol Oil Extra	Purer grade, fresher rosy.
Citronellol 750	Clean fresh rose odor, fraction of citronellol 73 %.
Citronellol 80 Intermediate	Clean fresh rose odor, fraction of citronellol 83.5 %.
Citronellol 850	Clean fresh rose odor, fraction of citronellol 86 %.
Citronellol Last Fraction	Rosy, not as sweet as a typical fresh floral rose.
Citronellyl Acetate	Fresh, rosy, fruity odor reminiscent of geranium oil.
Citronellyl N Butyrate	Intensely fruity, sweet and somewhat rosy leafy, petal like.
Citronellyl Iso Butyrate	Fresh almost citrusy rosy, intensely fruity and sweet odor.
Citronellyl Formate	Pw leafy green fruity rosy fresh and light Rem of geranium rose.
Citronellyl Nitrile	A green rose like scent almost reminiscent of citralva.

Citronellyl Phenyl Acetate	Sweet herbaceous rosy, heavy and reminiscent of rose petals.
Citronellyl Propionate	Fresh fruity, sweet rosy odor more berry fruity odor.
Cyclal C	Powerful green leafy floral.
Cyclamen Aldehyde	Diffusive powerful floral green stem like odor.
Damascenia	Rich sweet deep floral rose.
Damascenia Rosa Abs.	Rich warm spicy floral and very deep rose odor, honey tones.
Damascenia Rosa Concrete	Extremely rich deep & sweet floral truly reminiscent of pink rose.
Damascenia 185 SA	Floral fruity rose odor at same time very sweet.
Damascenone	A powerful floral fruity note, very natural rose plum like.
Delphone	Diffusive fruity floral odor of jasmin.
Delta Damascone	A hybrid floral rose compound.
Dianthanol	A spicy carnation floral rose compound.
Di Benzyl Ether	Faint sweet odor of aubepine.
Di Hydro Floralate	A light green floral lily like odor not sweet.
Di Hydro Iso Eugenol	Warm spicy sweet slight floral balsamic odor.
Di Hydro Iso Jasmonate	Fruity odor of floral jasmin.
Di Hydro Linalool	Fresh floral citrusy.
Di Methyl Anthranilate	Heavy orange blossom mandarin peel odor.
Di Methyl Benzyl Carbinyl	Warm herbaceous floral reminiscent lilac, eldiflowers.
D M B C - Acetate	Fresh powerful fruity floral odor of jasmin, lily.
D M B C - Propionate	Sweet floral fruity of freesia, sweet pea, peony, magnolia.
Di Methyl Octanol	Waxy dry rosy odor.
Di Methyl Octanyl Acetate	Sweet floral fruity somewhat waxy odor.

D M Phenyl Ethyl Carbinol	Soft floral green.
D I O L A	Reminiscent of sweet lavender oil, herbaceous.
Di Phenyl Menthane	Harsh geranium leaf, orange blossom type odor on dilution.
Di Phenyl Oxide	Harsh floral green, metallic geranium rose type.
Dorina S A	Floral rose specialty base extremely fresh and floral.
Dupical	Floral, muguet.
Efetaal	A floral type odor.
Ethyl Caproate	Strong fruity winey odor of apple blossom, pineapple.
Ethyl Laurate	Fatty flower petal like odor.
Ethyl Linalool	Floral oily slight woody green soft odor.
Farenal	Powerful intense aldehydic waxy like slightly floral.
Farnesol Oil	Mildly floral delicately sweet oily fresh green odor.
Feuilles E ' Oranger Abs. Eau	Floral odor of feuilles d ' oranger.
Fleuroxene	A strong green floral woody non descript odor.
Fleur D ' Oranger Abs. Eau	Dry floral herbaceous reminiscent of mandarin leaf oil.
Fleur D ' Oranger 175 SA	Floral herbaceous odor not sweet or fruity.
Floraline Tuberosse Concrete	Heavy floral almost nauseating sweet heavy slightly spicy odor.
Floraline Tuberosse Pommade	Heavy sweet floral honey like.
Floral N	A soft slightly green floral odor.
Florapal	Herbal fresh floral green.
Florex	A deep not sweet floral rose fragrance.
Floromat	A floral green type odor.
Florosa	A light sweet green floral.

Florosia	A light sweet green floral.
Framboise 2222	A sweet fruity floral odor.
Geraniol	Mild, and sweet floral rose.
Geraniol 60	Sweet floral rose.
Geraniol 90	Mild and sweet floral rose.
Geraniol X Palmarosa Oil	Sweet and floral rose like.
Geraniol Extra	Sweet floral rose coeur grade.
Geranium Algerian	Lighter more rosy leafy.
Geranium Moroccan	Sweet and powerful, rosy leafy slightly herbaceous odor.
Geranyl Acetate	Sweet fruity floral rosy.
Geranyl Acetate Extra	The finest sweet fruity floral rosy material available at low cost.
Geranyl Acetone	Fresh floral light, but rather penetrating sweet rosy light green.
Geranyl Anthranilate	Heavy sweet floral rose.
Geranyl Benzoate	Faint rosy, very tenacious mildly floral.
Geranyl N Butyrate	Sweet rather heavy fruity rosy odor.
Geranyl Caproate	Fruity geranium rose like.
Geranyl Formate	Fresh somewhat dry green leafy rosy odor.
Geranyl Iso Butyrate	Sweeter than n butyrate.
Geranyl Phenyl Acetate	Soft floral honey rose like.
Geranyl Propionate	Sweet fruity rose warm.
Hedione	Warm, and sweet floral jasmin.
Helioforte	Schiff base, sweet fruity orange, methyl anthranilate.
Heliomet	Schiff base, sweet fruity orange, methyl anthranilate.

Heliotropex B - 2226	Liquid form of heliotropin, very sweet and floral.
Heliotropex N M Replacement	Warm powdery floral like.
Heliotropine	Sweet floral warm slightly spicy, in dilution - cherry pie.
Heliotropine N	Liquid form of heliotropine very sweet floral slightly spicy.
Heliotropyl Acetate	Very sweet light floral with distinct fruity cherry top note.
Hexalon	Oily sweet slight flowery.
Hexyl Cinnamic Aldehyde	Mild and sweet oily slightly floral.
Hexyl Cyclo Pentanone # 405	Powerful and diffusive dry floral green herbaceous odor.
Hexyl Salicylate	Faint sweet herbaceous floral odor.
Hyacinth Body	Powerful leafy green with hyacinth note.
Hydratropic Alcohol Coeur	Sweet floral, but rather heavy odor of lilac, hyacinth.
Hydrofix L	Sweet floral lily with a fresh green dry out.
Hydrofix R	Floral lily.
Hydroxycitronellal	Sweet floral mild odor of muguet.
Hydroxycitronellal X Citronellol	Muguet sweet floral green, citrusy fresh.
Hysimal	Floral, lily of the valley.
Indolarome	Diffusive, and powerful floral in extreme dilution.
Indole	Powerful choking odor, in extreme dilution - floral.
Interleven Aldehyde	Waxy rose floral.
Ionone Alpha Extra	Floral violet.
Ionone Alpha Regular	A very diffusive orris violet.
Ionone Alpha Methyl C	Floral violet.
Ionone Alpha Methyl Naphyl	A very faint slightly sweet floral violet type odor.

Ionone Alpha Refined	Floral violet.
Ionone Alpha White Coeur	Floral violet.
Iralia	A very pure orris or violet note of powdery woody character.
Iris Aldehyde	Extremely powerful, and diffusive orisy odor.
Iris Concrete	Woody oily violet like odor.
Iris Concrete 199 KSA	Woody fatty oily but distinctly violet floral.
Irival	Orris.
Irone Alpha Refined	Soft warm orris violet like sweet and diffusive.
Iso Butyl Benzoate	Weak fresh orisy odor.
Iso Butyl Salicylate	Sweet harsh herbaceous floral.
Iso Cyclo Citral	Powerful and diffusive floral green.
Iso Damascone	A nice sweet slightly fruity green rose complex.
Iso Eugenol	Mild and sweet deep floral carnation like.
Iso Eugenol # 6504	A sweet spicy warm floral odor of carnation very nice.
Iso Eugenol Ethyl Acetal	Spicy floral carnation like, softer.
Iso Jasmone	Isomeric floral jasmin mixture.
Iso Phytol	Virtually odorless pure, carries dry leaf tea like odor.
Iso Plugeol	Minty herbaceous reminiscent of first smell of tuberose.
Jacinthe 127 SA	A reconstruction of the natural oil.
JacintHEME 135 SA	Reminiscent of the green floral heart of hyacinth.
Jasmal	Powerful oily herbaceous warm jasmin odor.
Jasmaprunate	Fruity like apple jasmin dry slight green like wild grapes.
Jasmin # 187	A sweet floral fruity jasmin floral complex.

Jasmin Abs.	Floral jasmin not overly sweet like cananga oil.
Jasmin Abs. Concrete Syn.	A pleasant fruity sweet floral jasmin odor.
Jasmin Abs. Italian Max.	The purest heart of the floral jasmin.
Jasmin Egyptian	An extremely fine floral jasmin fragrance.
Jasmin Petals Abs. Egypt	A sweet strong jasmin green floral petal like odor.
Jasmolactone	Sweet fruity floral jasmin.
Jasmo Lactone CNC	Oily fruity floral petal like odor.
Jasmonyl	Intensely sweet floral jasmin.
Jessemal	Herbaceous floral jasmin.
Kir Base # 9741	Woody floral complex with amber violet note.
Koavone	Woody floral complex with amber violet note.
Lactone CIS Jasmone # 114	Soft floral odor of jasmin.
Lactone CIS Jasmone # 411	Floral waxy jasmin absolute character.
Laevo Citronellol	Fresh and light rosy leafy.
Lavandin Abrialis	Sweet floral herbaceous lavandin.
Lavandin Abs.	Strong herbaceous with a camphoraceous character.
Lavandin Abs. In Color	Powerful camphoraceous herbaceous floral type odor.
Lavandin Concrete	Captures the heart of the sweet lavandin flower.
Lavandin Grosso	Sweet balsamic herbaceous.
Lavandin Grosso C - 8713	Sweet herbaceous slightly camphoraceous lavandin.
Lavender Abs. Barren Green	Powerful balsamic camphoraceous, herbaceous floral odor.
Lavender 40/42	Sweet floral herbaceous.
Lavender Oil Spiked	Typically sweet, balsamic and herbaceous.

Lavender Oil Spike Sub. 2707	Fresh herbaceous lavender like.
Liffarome	Violet green.
Lilial	Sweet yet refreshing floral green.
Lile Strallis 22	Fresh light green floral, reminiscent of lilial.
Linalool	Floral.
Linalool Intermediate	Light and refreshing floral woody odor.
Linalool Oxide	Powerful sweet woody floral.
Linalool Terpenes	Floral woody iris, quite harsh odor not pleasant.
Linalyl Acetate	Sweet floral fruity odor, bergamot pear.
Linalyl Benzoate	Balsamic floral bergamot fruity odor.
Linalyl Butyrate	Heavy fruity sweet bergamot like.
Linalyl Formate	Fresh citrusy green bergamot like.
Linalyl Iso Butyrate	More floral less fruity than n butyrate.
Linalyl Propionate	Fruity floral fresh very sweet bergamot.
Lychee	Green floral, very pleasant in extreme dilution.
Lylal	Delicately sweet, light and floral.
Mallow	A slightly green sweet floral fragrance.
Merion	A diffusive floral oriental woody complex.
Methoxy Ortho Cinnamic Ald.	Sweet and warm spicy floral.
Methyl Acetophenone	Pungent harsh warm sweet odor.
Methyl Acetyl Anthranilate	Floral linden blossom not nice.
Methyl Anisate	Sweet herbaceous delicately floral odor.
Methyl Anthranilate	Musty, fruity & dry floral odor reminiscent of concord grapes.



Methyl Benzaldehyde	Warm mildly floral sweet spicy odor of benzaldehyde.
Methyl Benzoate	Heavy sweet deep floral odor reminiscent of tropical flowers.
Methyl Hexyl Ketone	Pleasant floral bitter green, slightly musty.
Methyl Ionone Alpha Extra	Orris violet floral.
Methyl Ionone Extra	Mild floral odor of violets.
Methyl Ionone Gamma A	A floral violet woody isomeric mixture.
Methyl Ionone Gamma X	Mild floral odor of violets.
Methyl Ionone Regular	Mild floral odor of violets.
Methyl I G Replacer	Familiar woody floral complex, tobacco like undertone.
Methyl Iso Residue	Harsh floral violet slight woody.
Methyl I G Supreme	Floral violet woody fruity complex.
Methyl Ionone Tails	A harsh woody floral violet odor, reminiscent of ionone beta.
Methyl Iso Eugenol	Sweet and warm mild floral tea like slightly spicy.
Methyl Jasmonate	Powerful herbaceous floral.
Methyl Lavandin Ketone	Floral sweet lavandin like.
Methyl Lavender Ketone	Sweet floral lavender.
Methyl Nonyl Ketone	Fruity rosy orange like.
Methyl Octine Carbonate	Green violet leaf like.
Methyl Para Cresol	Sharp and sweet, dilution - ylang, hyacinth & wallflower.
Methyl Phenyl Carbinol	Earth green reminiscent of gardenia and hyacinth.
Methyl Tuberate	Floral most likely tuberose, rose like material not sweet.
Mimosa Abs. Essence	A green floral delicately mimosa like.
Mimosa Abs. Morocco	Powerful floral green.

Mimosa Odor Essence	Green floral capturing the heart of the mimosa flower.
Mirabelle 2000	A fruity floral creation.
Muguet Aldehyde 50	Diffusive green muguet lily type odor.
Mugone 207M	A faintly sweet muguet floral odor extremely viscous.
Neo Jasmin # 937	Sweet floral jasmin.
Neral Crude 88 %	Sweet floral citral lemony floral.
Nerol	Sweet rosy refreshing wet seashore like.
Nerol A	Sweet rosy refreshing.
Nerol Petals	Sweet rosy leafy refreshing.
Nerol Special	A fresh sea shore like floral rose.
Neroli Bigarrade Moroccan	Sweet spicy orange blossom obtained from sour orange.
Nerolidol	Mild and delicately floral slight green reminiscent of apple lily.
Nerolin Bromelia Crystals	Soft floral.
Neryl Acetate	Very sweet fruity, floral odor of raspberry rose.
2,6, Nonadienal # 332	Intense powerful vegetable green, reminiscent of violet leaves.
2,6,Nona 1 al Diethyl Acetal	Smooth floral violet, melon odor.
Octanol 2	A floral rosy fresh odor.
Octanol Nitrile 10 B - 2216	A rosy floral odor.
Octyl Formate	Powerful, and relatively diffusive fruity green orris.
Oranger Crystals	Sweet and very tenacious orange blossom.
Oranger Liquid	Sweet floral rather harsh orange blossom.
Orris Concrete	A floral green violet like odor.
Orris Oil	Floral violet.

Orris Resin Abs.	Floral violet.
Orris Resinoid	A very herbaceous slightly green floral like odor.
Osmantha	Floral.
Osmanthus CC Abs.	A sweet floral jasmin odor slightly green.
Osmanthus NT 5232	A sweet floral jasmin odor.
Oxyertaline Formate	A faint green slightly sweet floral door.
Palmarosa Oil	Sweet floral rosy odor.
Para Cresyl Acetate	Lily like odor.
Para Cresyl Iso Butyrate	Pronounced lily narcissus like odor.
Para Cresyl Methyl	Floral odor of wallflower, and ylang ylang.
Para Cresyl Phenyl Acetate	Floral odor of lily, hyacinth, jonquil.
Para Cresyl Redistilled	Floral odor.
Para Methyl Quinoline	Powerful and penetrating, dilution - sweet floral and tobacco like.
Para Methoxy Acetophenone	Sweet, but somewhat harsh hay like odor.
Parmavert	Powerful floral green, sweet and violet leaf like.
Petilyn	A very delicate and faint light green floral.
Petitgrain Bigarade Oil	Pleasant fresh floral sweet odor.
Petitgrain Citronner Oil	Distinct and pleasant, a fresh lemony floral woody odor.
Petitgrain Oil Moroccan	A fresh lemony floral woody odor extremely tenacious.
Petitgrain Oil S A	A fresh lemony floral woody odor.
Petitgrain Oil Terpeneless	Diffusive less better sweet floral woody odor.
Petitgrainol	Intensely woody neroli note.
Phenoxanal	Fresh floral rose.

Phenoxy Ethanol	Mild rosy, but also metallic.
Phenoxy Ethyl Alcohol	Mild honey rose odor.
Phenoxy Ethyl Iso Butyrate	Sweet fruity rosy floral.
Phenyl Di Methyl Acetal	Powerful green earthy flower stem like odor.
Phenyl Ethyl Acetal	Warm, green leafy also rosy balsamic odor.
Phenyl Ethyl Acetate	Very sweet, rosy fruity honey like odor.
Phenyl Ethyl Alcohol	Mild and warm rose honey like odor.
Phenyl Ethyl Benzoate	Very faint floral balsamic odor reminiscent of dry rose petals.
Phenyl Ethyl Cinnamate	Very faint and sweet pleasant balsamic rosy odor.
Phenyl Ethyl Formate	Powerful green herbaceous rosy odor.
Phenyl Ethyl Iso Butyrate	Fresh fruity tea rose type.
Phenyl Ethyl Methyl Ether	Powerful diffusive, dilution - jasmin tobacco like.
Phenyl Ethyl Phenyl Acetate	Heavy and very sweet floral balsamic odor, musky honey like.
Phenyl Ethyl Pivalate	Floral possibly faintly rosy practically no odor.
Phenyl Ethyl Propionate	Very warm herbaceous rosy deep fruity.
Phenyl Ethyl Salicylate	Faint, but sweet and delicate balsamic floral.
Phenyl Propyl Acetate	Fresh floral powerful fruity green.
Phenyl Propyl Alcohol	Warm and mild balsamic floral, sweet odor.
Phenyl Propyl Aldehyde	Floral hyacinth, lilac, balsamic green.
Phixia	Sweet, floral at first delicate refreshing mild.
Phytia Abs.	Powerful floral herbaceous balsamic, not sweet.
Phytol	Delicate floral balsamic notes reminiscent of nerolidol, farnesol.
Pivarose	Floral tea rose.

Piviane 2	A sweet rosy floral fragrance.
Polarose	Powerful fatty oily waxy rosy odor.
Pseudo M I Terpenes	A harsh floral violet like odor.
Racina	A dry floral rose complex.
Reseda Body	Delicate, but powerful hyacinth, narcissus, reseda note.
Rhodinol X Citronella	Naturally sweet rosy floral.
Rhodinol Coeur	Geranium rose.
Rhodinyl Acetate	Sweet, light refreshing rose muguet, green leafy notes.
Rhodinyl N Butyrate	Intensely sweet mellow fruity deep rosy.
Rhodinyl Formate	Fresh leafy green delicate rosy.
Rhodinyl Phenyl Acetate	Sweet, very deep soft honey like rose.
Rhodinyl Propionate	Rich and sweet fruity floral rose geranium type.
Rhodinyl Salicylate	Very weak sweet rosy powdery balsamic odor.
Rhodinyl Valerate	Heavy fruity, slightly earthy green, but also sweet odor.
Rosacene	A nice light delicate floral rose compound not overly sweet.
Rosalva	Powerful fatty oily, waxy rose odor.
Rose Abs. Moroccan	Extremely fresh and sweet floral rose odor.
Rose Abs. Turkey	A tenacious diffusive sweet floral, truly captures fresh flower.
Rose Crystals	Mild, at first very weak green rosy balsamic odor.
Rose Essence 193	A very strong, but yet sweet floral rosy fresh odor.
Rose Essence Bulgare	A very diffusive vivacious rose odor, slightly sweet floral nice.
Rosemary Oil	Woody herbaceous, reminiscent of spike lavender oil.
Rose Nitrile	Rich rose geranium woody iris.

Rose Oil Moroccan	Deep sweet, rich and tenacious floral rose.
Rose Oil Moroccan Select	The finest moroccan rose fragrance at an attractive cost.
Rose Oil Templar	A typical sweet rose odor whose source is rooted in English lore.
Rose Oil Turkey	Diffusive strong vibrant floral rose scent reminiscent of the rose.
Rose Oil Turkey Commercial	An extremely floral typical rose odor, not intense over powering.
Rose Oil Turkish	Sweet floral rose.
Rose Orient	Intensely rose like, mysterious, diffusive, rounded and nice.
Rose Oxide R	Reminiscent of rose geranium.
Scennal	A fresh green floral lily type odor.
Scentennal	Powerful green refreshing watery floral.
Schiff Base	Methyl Anthranilate/Amyl Cinnamic Aldehyde.
Schiff Base	Methyl Anthranilate/Hydroxycitronellal.
Schiff Base	Methyl Anthranilate/Lilial.
Schiff Base	Methyl Anthranilate/Triplal.
Sclarene	A very faint, but yet sweet floral odor.
Sino Citral	Fresh citral lemony with a floral background.
Styrallyl Acetate	Powerful and penetrating green floral in dilution.
Styrallyl Alcohol	Dry floral earthy green, lilac, jasmin, mimosa, type odor.
Styrallyl Propionate	Balsmaic green floral type odor.
Styrax Essence CD	Has a pleasant balsamic odor recalling hyacinth and hawthorne.
Styrax Clarified	Sweet balsamic odor with a hyacinth like floral background.
Styrax Provence Essence	Sweet balsamic odor, floral in extreme dilution.
Styrax Purified	Sweet balsamic odor with a hyacinth tuberose background.

Sweet Pea	Resembles orange blossom, hyacinth and a touch of rose.
Sweet Pea Double	Not sweet strong or heavy floral odor.
Syringa	Floral odor of muguet and neroli oil.
Syringa 1523	Soft and very tenacious floral odor.
Terpineol Extra	Delicate floral sweet lilac type perfume grade.
Terpineol Prime	Delicate floral sweet lilac.
Terpineol 350	Delicately floral reminiscent of lilac.
Tepyl Acetate	Oily herbaceous floral and sweet earthy odor.
Tetra Hydra Linalool	Sweet oily and delicately floral.
Tetra Hydra Mugol	Fresh sweet floral odor.
Tetralide	Musky powdery floral.
The 71795	Tea/Floral.
Tolu Balsam Oil	Warm balsamic and hyacinth like.
Tolu Balsam Alva Essence	A tenacious diffusive balsamic hyacinth in dilution like.
Tolu Balsam Resinoid	Warm and balsamic hyacinth like.
Tolyl Acetate	Sweet floral fruity and mildly green.
Trans De Cadro Beta Naphyl	Floral rosy.
Trans 4 Decenal # 382	Has a fruity rose aldehydic character.
Tri Cyclo Decenyl Propionate	Fruity floral.
Tuberanthia S A	Tuberose
Tuberose Abs.	A heavy sweet almost nauseating floral odor of tuberose.
Tuberose Pommade	A heavy sweet almost overpowering tuberose odor.
Undecavertol	Strong, however not over powering slightly green floral odor.

Vanoris	Woody fruity, soft refreshing odor of mild orris type.
Vartol # 915	Floral rose type odor very dry.
Velutone	Faint, but sweet floral fruity odor.
Violet Abs. French	Strong herbaceous floral violet.
Violet Abs. Rue	Herbaceous floral violet, not as sweet as the french oil.
Violet Abs. Selection	Strong floral violet odor.
Violet Colorless 54.5219	Herbaceous floral odor of the violet.
Violet Leaf Abs. N.Y. 11149	Green floral violet, very subtle slight sweet.
Violet F ' Builles Abs.	Slightly violet, not strong or sweet.
Wild Pimento Oil	Resembles spike lavender oil.
X.I. Aldehyde	Powerful hay melon ozone note, floral aspect.
Yara Yara Crystals	Intensely sweet orange blossom, acacia like.
Ylang Ylang Abs.	Intensely sweet floral, and very diffusive odor.
Ylang Ylang Complete	Powerful, and intensely sweet, but also soft balsamic floral odor.
Ylang Ylang Concrete	Rich sweet, and intensely floral.
Ylang Ylang Oil	Sweet floral, and intensely floral.
Ylang Ylang Oil Extra	Very powerful floral intensely sweet of cresylic benzoate type.
Ylang Ylang " First "	In between quality generally a mixture of different fractions.
Ylang Ylang " Second "	In between quality generally a mixture of different fractions.



Fruit Fragrance Chemicals

25

Acetate C - 6	Sweet fruity berry pear like.
Alcohol C - 6	Chemical winey, slightly fatty fruity odor.
Aldehyde C - 7	Powerful oily fermenting fruity.
Aldehyde C - 10	Powerful sweet waxy orange peel like odor.
Aldehyde C - 14	Powerful peach odor.
Aldehyde C - 16	Sweet fruity candy like strawberry.
Aldehyde C - 18	Coconut, in extreme dilution - fruity.
Aldehyde C - 19	Pineapple.
Aldehyde C - 20	Raspberry.
Acetate Iso Eugenol	Sweet balsamic spicy fruity odor of clove's.
Acetate PA	Sharp mixed fruity pineapple like odor, heavy and sweet.
Allyl Amyl Glycoate	Strong fruity pineapple.
Allyl Caproate	Fatty fruity, reminiscent of pineapple.
Allyl Cyclo Hexyl Propionate	Powerful and sweet fruity odor resembles pineapple.
Allyl Heptoate	Sweet, fruity pungent resembles banana.
Alpha Damascone	Intense fruity reminiscent of plums and roses.
Amyl Acetate	Powerful fruity banana like odor.
Amyl Butyrate	Fruity odor of apricot banana pineapple.

Amyl Iso Valerate	Fruity ethereal heavy apple like odor.
Amyl Phenyl Acetate	Fruity balsamic sweet odor.
Amyl Propionate	Sweet fruity apricot pineapple like odor.
Apple Oliffac	Fresh green apple.
Aurantiol	Sweet heavy floral orange blossom lily.
Benzyl Acetate	Powerful thin sweet fresh, fruity floral odor of jasmin gardenia.
Benzyl Butyrate	Heavy fruity floral plum like.
Benzyl Formate	Powerful fruity green herbaceous.
Benzyl Iso Amyl Ether	Floral fruity odor somewhat greener and herb than B.A.
Benzyl Propionate	Fruity sweet, rosy floral.
Bergamot Oil FCC	Fresh, fruity citrus odor.
Bergamyl Acetate	A sweet bergamot orange fragrance.
Beta Damascone	Fruity.
Beta Ionone	Warm woody dry odor, fruity undertone.
Boisnal	A very weak and sweet fruity floral odor.
Butyl Butyrate	Powerful fresh sweet fruity reminiscent of banana pineapple.
Calone 1951	Has a faint fruity melon odor.
Casis Base 345B	A green fruity floral character.
Cinnamyl Acetate	Sweet mild balsamic, slightly floral fruity odor.
Cinnamyl Iso Butyrate	Fresh fruity, mild balsamic, sweet odor, Rem of ripe banana.
CIS Jasmone	Diffusive, warm spicy fruity, dilution - floral.
Citrathal	Fruity fresh like odor.
Citroflex # 2	Mild sweet winey, fruity plum like.

Citronal	Fruity.
Citronellyl Iso Butyrate	Fresh almost citrusy rosy, intensely fruity and sweet odor.
Citronellyl N Butyrate	Intensely fruity, sweet and somewhat rosy leafy, petal.
Citronellyl Formate	Powerful leafy green fruity rosy fresh & light Rem of geranium.
Citronellyl Propionate	Fresh fruity, sweet rosy odor more berry fruity odor.
Damascenia 185 SA	Floral fruity rose odor at same time very sweet.
Delta Dodelactone	Fresh fruity oily odor of good tenacity.
Di Ethyl Malonate	Sweet pleasant fruity green odor reminiscent of apples.
Di Hydro Iso Jasmonate	More fruity less floral.
D M B C - Acetate	Powerful fresh floral fruity slight herbaceous jasmin lily.
D M B C - Butyrate	Mild herbaceous fruity plum prune like.
D M B C - Propionate	Sweet floral fruity odor of freesia, sweet pea, peony, magnolia.
Di Methyl Malonate	Apple ethereal fruity.
Ethyl Acetate	Pleasant ethereal fruity brandy like.
Ethyl Aceto Acetate	Ethereal fruity sweet rum like.
Ethyl Anthranilate	Sweet fruity grape like milder than methyl ester.
Ethyl Benzoate	Warm floral fruity.
Ethyl Butyrate	Powerful ethereal fruity odor of banana, pineapple.
Ethyl Caproate	Strong fruity winey odor of apple blossom, pineapple.
Ethyl Caprylate	Fruity winey, and sweet odor Rem of apricot and pineapple.
Ethyl Cinnimate	Sweet balsamic, fruity honey like odor.
Ethyl Heptoate	Powerful fruity wine like brandy berry.
Ethyl Iso Valerate	Powerful and penetrating apple ethereal vinous fruity.

Ethyl 2 Methyl Butyrate	Powerful diffusive apple, green fruity pungent of apple skins.
Ethyl Pelargonate	Slight fatty oily fruity nut like.
Ethyl Valerate	Fruity apple like.
Gamma Decalactone	Peach like.
Geranyl Acetate	Sweet fruity floral rosy.
Geranyl N Butyrate	Sweet rather heavy fruity rosy like.
Helioforte	Schiff base, sweet fruity orange, methyl anthranilate.
Heliomet	Schiff base, sweet fruity orange, methyl anthranilate.
Heliotropine	Very sweet floral, warm lightly spicy, dilution - cherry pie.
Heliotropyl Acetate	Very sweet light floral, cherry fruity undertones.
Herbaflorat	Green sweet fruity.
Hexadrenyl Iso Butyrate	Oily sweet fruity green apple, and galbanum type odor.
Hexyl Acetate	Sweet fruity berry like, pear like milder than amyl acetate.
Hexyl N Butyrate	Powerful fruity heavy odor a melange of unripen fruits.
Ionone Beta Pure	More fruity, and woody like than alpha.
Iso Amyl N Butyrate	Powerful diffusive fruity sweet apricot pineapple like odor.
Iso Amyl Propionate	Sweet fruity apricot pineapple.
Iso Butyl Caproate	Mild herbaceous woody, but over all fruity oily odor.
Iso Damascone	A nice sweet slightly fruity green rose complex.
Iso Nonyl Acetate	Woody fruity soft refreshing odor.
Jasmin # 187	A sweet floral fruity jasmin floral complex.
Jasmin Abs. Concrete Syn.	A pleasant fruity sweet floral jasmin odor.
Ketopommal	Fruity sweet.

Laveo Menthyl Acetate	Mild and sweet slightly fruity herbaceous minty odor.
Linalyl Acetate	Sweet floral fruity recalling bergamot pear.
Linalyl Butyrate	Heavy fruity sweet bergamot like.
Linalyl Iso Butyrate	More floral less fruity.
Linalyl Propionate	Fruity floral.
Manzanate	A slightly spicy heavy ethereal fruity apple odor.
Melon Oliffac	Fresh clean melon odor.
Methyl Anthranilate	Mostly fruity and dry floral odor reminiscent of concord grapes.
Methyl Cinnimate	Powerful fruity balsamic like, dilution - strawberry less balsamic.
Methyl Heptenone Extra	Fruity green slightly waxy.
Methyl Heptoate	Fruity green slight waxy berry like.
Methyl Nonyl Ketone	Fruity rosy orange like.
Methyl Salicylate	Warm sweet rosy fruity.
Mirabelle 2000	A fruity floral creation.
Nerolin Bromelia Crystals	Delicate and sweet very tenacious floral fruity odor.
Neryl Acetate	Very sweet fruity, floral odor of raspberry rose.
Nopyl Acetate	Sweet woody fruity odor.
Octyl Formate	Powerful, and relatively diffusive fruity green orris.
Oxanone	Very sweet fruity warm raspberry odor.
Peach Oliffac	Peach.
Persicol	Peach.
Perryfix	Fruity sweet odor of pears, very nice and diffusive.
Phenoxy Ethyl Iso Butyrate	Fruity sweet, rosy floral.

Phenyl Ethyl Acetate	Very sweet, rosy fruity honey like odor.
Phenyl Ethyl Iso Butyrate	Fresh fruity tea rose like.
Phenyl Ethyl Propionate	Very warm herbaceous rosy deep fruity.
Prenyl Acetate	Fresh diffusive, fruity banana, bergamot like.
Raspberry Ketone	Very sweet fruity warm odor of raspberry preserves.
Strawberry Oliffac	Fresh sweet fruity odor of strawberries.
Trans 2 Hexenyl Acetate	Powerful and fresh green sweet fruity very natural odor.
Tri Cyclo Decenyl Propionate	Fruity floral.
Vanoris	Woody fruity, soft refreshing odor of mild orris type.
Veltol	Warm fruity caramellic sweet odor.
Veltol Plus	Intensely sweet fruity bread like pleasant odor.
Velutone	Faint, but sweet floral fruity odor.

## Citrus Fragrance Chemicals

Abbarome 011	Citrus, herbal, fresh.
Acerola	Any of various species of the genus Malpighia. The fruit has a citrusy like fragrance sweet and fresh.
Acetate C - 10	Sweet fatty fruity odor of pineapple orange.
Alcohol C - 8	Powerful fresh, orange rose like waxy & sweet odor.
Alcohol C - 11 Lenic	Fresh rather fatty odor, citrusy waxy rosy, petal like note.
Alcohol C - 11 Saturated	Oily fruity floral citrusy odor slight fatty overall fresh.
Aldehyde C - 10	Powerful sweet waxy orange peel like odor.
Aldehyde C - 11 Lenic	Powerful waxy rosy citrusy odor.
Aldehyde C - 12 MOA	An aldehyde with a citrus tangerine note.
Aldehyde Mandarin 10 %	A mandarin orange fresh and citrusy.
Aldenal C - 9	Blend of saturated unsaturated aldehydes powerful fresh and waxy citrus.
Aldenal C - 10	Blend of powerful, fresh citrus odor.
Alpha Terpinene	Refreshing lemony citrusy odor.
Auralva	Neroli orange, muguet, grape odored schiff's base.
Bergamal	Refreshing, aldehydic lemon, petitgrain note.
Bergamot Augaflor 4	Characteristically bergamot, this compounded specialty has a fruity, woody, slightly sweet fragrance. Can be used up to 5 % in many medias.

Bergamot Eco Essence	A sweet fruity odor typical of the bergamot orange.
Bergamot FCC	Rich sweet fruity.
Bergamot Givco 104	This reconstitution is bergapten-free and has no phototoxic potential. This is a bergamot that replaces the essential oil with superior stability and performance in functional products.
Bergamot LCNP	Alternative to bergamot, low cost non phototoxic.
Bergamot NPT	Closely resembles odor of bergamot oil, non phototoxic.
Bergamot Oil Italian	A fresh odor of the delightful bergamot natural source is Italy.
Bergamot Oil Ivory Coast	Sweet fruity bergamot odor that smells right off the west coast of Africa.
Bergamot Oil Non Sensitizing	Characteristic of the natural oil with natural sensitizing components removed in our special distillation process.
Bergamot Oil Rectified	A natural bergamot oil fragrance rectified to enhance its effect in many different fragrance formulations.
Bergamot Oil Reconst.	Juicy, natural reconstitution.
Bergamot Super Oliffac	Low cost simulation of the bergamot note for general purposes.
Bergamot Terpeneless Extra	Extremely smooth dry and clean of sweet bergamot.
Bergamote 17.530 SA	Rich, sweet fruity initial odor with balsamic body and dry out.
Bergamyl Acetate	A sweet bergamot orange fragrance.
Beta Pinene Coeur	Pine, citrus, lime.
Bitter Orange NPT	Odor similar to the West Indies bitter orange oil free of phototoxicity.
Bitter Orange Oil Cold Pressed	A citrusy orange type odor.
Bitter Orange Oil 5 Fold	Slightly bitter but yet fruity citrusy orange odor.
Bitter Orange Oliffac 301	Economical replacement for West Indies bitter orange oil dry citrus.
Cedrat Peel Oil	A citrus fruit that resembles the lemon in appearance.



Cedrat Petitgrain Oil	Oil obtained from the leaves and twigs of the sour orange.
Citracetal	Citrus like odor, close to citral in it's strength.
Citral	Powerful lemony fragrance.
Citral Di Ethyl Acetal	Fine, fresh, citrusy stable in alkalis, fresher then nitrile.
Citral Di Methyl Acetal	Has a milder but much more natural lemon odor than citral.
Citral Di Methyl Acetal Pure	Very pleasant, floral lemon note.
Citral Extra	Finest quality of citral.
Citral 700	Strong lemon odor suitable for chemical intermediate use.
Citral 750	Grade suitable for chemical intermediate use.
Citral 850	Clean, fresh citrus lemon odor.
Citral 900	Intermediate grade, citrus lemon odor.
Citral Residues	A verbana grassy sweet type odor very diffusive.
Citral Terpenes	Harsh citral lemon odor.
Citral X Lemon	Fresh, juicy lemon peel, with a sweet tangy nuance.
Citral X Litsea	Powerful, fresh top note, lemon.
Citrallex	Fresh lemon, clean citrus odor resembling citral.
Citralva	Powerful oily green lemony fresh odor.
Citralva Plus	Intense lemon character, non discoloring.
Citrathal	Distinctive fresh lemon lime lasts one day.
Citrathanil ABQ7023	Is more green floral and tenacious lemon then agrudor.
Citric Acid Amhydrous	A crystalline acid with a pleasant acid taste.
Citriyls Givco 169	A pleasant citrus accord which evokes freshly squeezed tangerine peel blended with floral marine notes, giving it an unusual sparkling zest. The fruity back ground enhances the composition's natural aspect. Extremely diffusive and

long-lasting, it performs well in most functional product bases. Designed for use as a top and middle note, it gives freshness and volume to all citrus, floral and green accords.

Citrofurane AB5531	Is a more lavandaceous citrus complex containing rhubafuran.
Citronal	Fruity.
Citron Leaf Rectified Oil	Tree native to Asia having lemon like fruit with aromatic rind.
Citronalva	Citrus, lemon, aldehydic, metallic.
Citronama	Intense orange, ginger, palmarosa with ozone muguet aspects.
Citronellal	Powerful fresh green citrusy, slight woody odor.
Citropal	Moderate citrus type odor.
Citrotone B	Clean fresh fruit odor generally citrus, for all citrus types.
Citrus Base	Strong odor to lemon peels similar to melissa oil.
Citrus Terpenes	Based on d-Limonene this fresh citrusy fragrance is a perfumers delight helping to create fresh fruit blends and bases.
Citryl Acetate	Includes features of bergamot oil with delicate lemon top note.
Citryl Nitrile	A very strong lemon form of citral not pleasant lemon odor.
Citryl Nitrile B - 1313	Dry hay like, fresh lemon, citral note.
Clonal	Dry orange peel note for citrus, bergamot cologne types.
Decanol Natural	A diffusive natural orange, but not of great tenacity.
Decanal - 4 - Trans	Is an exceptionally strong and diffusive chemical. Used mainly as a top note ingredient, it produces a fresh, natural, citrus-like effect, imparting tremendous lift.
Di Hydro Linalool	Fresh floral citrusy.
Di Hydro Myrcenol	Powerful fresh lime like.
Di Hydro Myrcenyl Acetate	Sparkling, fresh lime, lavender lasts one hour.

Di Hydro Terpineol	Floral, citrus, lime pine.
Di Hydro Terpinyl Acetate	Fresh piney citrusy.
D ' Limonene	Citrus orange.
Di Methyl Anthranilate	Heavy orange blossom mandarin peel odor.
Di Methyl Octenone	Can be used to great advantage in citrus accords where it underlines the natural bitterness of the fruit. Its combination with fresh notes is much appreciated for the diffusion that it brings to compositions. Its utilization with certain modern accords can give original and natural grapefruit character.
Dimetol	Powerful lime cologne like odor similar to di hydro myrcenol.
Di Myrcetol	Fresh citrus lime like odor.
Dipentene 122	Fresh and sweet citrusy lemon.
Elemi Essence	Fresh lemon like.
Elemi Oil	Fresh spicy lemon.
Elemi Resinoid	Fresh terpeney peppery lemon.
Ethyl Linalyl Acetate	Is softer, more floral, more bergamot and less lavender than Linalyl Acetate. It has an elegant, refreshing effect in floral bouquets.
Feuilles D ' Oranger Abs.	Reconstituted feuilles d ' oranger.
Feuilles E ' Oranger Abs. Eau	Floral odor of feuilles d ' oranger.
Gamma Terpenes	Citrus odor.
Geraldehyde	Intense aldehydic note with marine, floral and citrus moieties.
Geranonitrile	Fruity green, lemon.
Gloria ABQ7022	Is a more citrusy fantasy base with a musky dry down.
Grapefruit Oil 5 Fold	Citrusy grapefruit slightly sweeter then grapefruit oil of Florida.
Grapefruit Oil of Florida	Tangy, citrusy grapefruit nice and fresh.
Grapefruit Oil Nardenised	A tingling, fresh deterpenised oil lasts several weeks.

Grapefruit Oil Terpenes	Fresh citrusy rather sweet odor.
Grapefruit Base # 15794 B	A typical odor of a very ripe grapefruit.
Grapefruit Body Fleurom	Extremely powerful green grapefruit odor.
Grapefruitone	Is a sweet fruity specialty with a grapefruit rind character.
Helioforte	Schiff base, sweet fruity orange, methyl anthranilate.
Heliomet	Schiff base, sweet fruity orange, methyl anthranilate.
2, 4 Hexadien 1 AL	Fresh, spicy green, floral citrusy odor used as top note.
Hexadienal 2 Trans 4 Trans	Green fruity aldehydic citrus use in melon, kiwi, tropical fruit.
Hypo-Lem	Citrus, aldehydic lemon.
Iso Bornyl Cyclo Citral	A citrus lemon fruit type odor.
Jonquille Jacinthe Abs.	A moderate orange that is yellower and stronger than honey dew.
Khadija	Musk, ambre, citrus oriental bouquet.
Leila	Lilacs in full bloom spiced with a hint of bergamot. A romantic spring bouquet conjuring visions of victorian elegance and the Belle Epoque.
Lemarome N	Extensively used for its lemon effect in cologne blends. Is also extremely useful in certain floral compositions where it imparts a unique natural freshness.
Lemon Basil Oil	The citral content of 41% gives this oil a verbena like quality while the basil side is not very evident.
Lemon Essence HC Free	A natural oil which has had terpene, and sesquiterpenes removed.
Lemon Givco 112	This base is an imitation of natural lemon odour that in addition has excellent stability and substantivity in all kinds of finished products. This Givco was especially developed for difficult bases like H.D.L.D. and H.D.P.D. Has strong diffusion & good impact on wet laundry.
Lemongrass Oil Chinese	Strong grassy lemon type.
Lemongrass Oil Cochin	Otherwise known as East Indian lemongrass oil. The finest essential

oils odor varies depending on content of citral and other components.

Lemongrass Oil Guatemala	A very strong grassy lemon type.
Lemongrass Oil Indian	Citral content lower than above, but at same time similar.
Lemongrass Oil Nardenised	Lemon fresh, detersenised oil lasts a few days.
Lemongrass Oil Rectified	Appears more lemony and sweet less verbena.
Lemongrass Oil Terpeneless	A verbena green grassy odor free from harsh terpenes.
Lemonile	Is used in lemon, verbena and lime compositions where it imparts freshness and diffusion. This nitrile is an extremely powerful chemical and has excellent stability in alkaline media.
Lemon Isolate	Is a natural distilled product with a fresh juicy tart lemon.
Lemon Juicy	Fresh juicy lemon with a sweet citral terpeny nuance.
Lemon Oil	Typical lemon and refreshing.
Lemon Oil 5 Fold	Purer sweeter lemon.
Lemon Oil Italian	A lemon which is sweet and juicy from Italy.
Lemon Oil of California	Sweet juicy lemon.
Lemon Oil Reconstructed	A reconstituted fragrance closely resembling the essential oil.
Lemon Oil Spanish	Sweet, fruity odor of lemon, source Spain.
Lemon Oil Synthetic	Low cost reconstitution lasts one day.
Lemon Oil Washed	A slightly lighter and sweeter juicy lemon.
Lemon Petitgrain Oil	Strong fresh odor with a woody dry out.
Lemonrone Lemonrone	Powerful lemon fragrance very chemical like.
Lemon Terpenes	Mildly lemon.
Lemorale	Brisk fresh top note useful for lemon limes bergamot herbal.
Lemon 360	A slightly sweet fruity lemon odor.

Lemsyn	Synthetic citral.
Lime AB402	Sweet yet sharp lasts a few weeks.
Lime Blossom	The oil made from the flowers has a fresh green muguet lily like fragrance. Can be used as a floralizer to create interesting effects in many blends.
Lime Exp. H C Free	A natural oil which has terpene and sequesterpene removed.
Lime Expressed NPT	Similar odor to the natural expressed oil free of phototoxic.
Lime Oil Distilled	A tart sour ball candy like lime odor, very sweet.
Lime Oil Distilled 4 Fold W.I.	A tart lime odor vacuum distilled for terpene removal.
Lime Oil # 410	Oily sweet fruity lime.
Lime Oil 4 Fold	Sweeter juicer resulting from vacuum distillation process.
Lime Oil Expressed	A lime fragrance fresh from the peel very reminiscent.
Lime Oil Expressed 4 Fold W.I.	A fresh slightly tart peel like in sweetness lime odor.
Lime Oil Nardenised	Sweet, pure deterspinseed oil with petitgran character on dry out.
Lime Oil Reconstructed	A reconstituted oil closely resembling the odor of a lime.
Lime Oil Roses Type	Sweet, juicy, candy lime like with a fresh peel character.
Lime Terpenes	Lime.
Lime Oil Terpeneless	Lime oil with the terpenes removed.
Lime Oil Sequisterpeneless	Lime oil terpene free.
Lime Oxide	Adds freshness and intensity to perfumes designed for functional products It is also a powerful citrus booster with excellent stability in many applications applications, including bleach.
Limetol	Is used where a lemon-woody note is desired. It also offers pine needle and lime nuances.
Limettal ABQ5701	Tingling, fresh floral aldehydic, long lasting.
Limettene	Very strong pleasant fresh citrus note.

Limonene - D	Fresh and light sweet citrusy odor resembles orange peel.
Limonene 130	Fresh hydrocarbon type lemon odor.
Limonene Tech.	Fresh clean citrus odor of the orange.
Linaloe Wood Essence	Floral rose citrus, soft and sweet.
Linalyl Acetate	Sweet floral fruity odor, bergamot, pear.
Linalyl Acetate Synthetic	Widely used for its typical bergamot freshness and lavender characteristic.
Linalyl Benzoate	Balsamic floral bergamot fruity odor.
Linalyl Butyrate	Heavy fruity sweet bergamot like.
Linalyl Cinnimate	Mild and balsamic sweet.
Linalyl Formate	Fresh citrusy green bergamot like.
Linalyl Iso Butyrate	More floral less fruity than n butyrate.
Linalyl Propionate	Fruity floral fresh very sweet bergamot.
Litsea Cubeba Rectified Oil	Intense citrus fruity lemon like.
Litsea Cubeba Terpenes	Now as sweet as regular litsea cubeba.
Lolitol	Fresh floral muguet with citrus nuances.
Mandarin AB646	The juicy zest base is built around citrathal.
Mandarin Oliffac	Sweet characteristic citrus mandarin note.
Mandarinal	A powerful fresh citrus aldehydic mandarin orange.
Mandarinal 32.048 SA	Powerful, fresh citrus aldehydic note of mandarin.
Mandarin Ald. 10 Citrate	An aldehydic mandarin orange.
Mandarin Italian Select	Intensely sweet not very fresh orange odor.
Melissa Oil	Has a sweet fresh lemon like scent.
Melissa Resinoid	A herb obtained by distilling lemon oil over the herb.

Methanyl Acetate	Piney citrusy type odor.
Methyl Octyl Ketone	Powerful citrusy orange.
Mugol Extra	Soft woody, citrus lime note with floral aspects.
Myrcene	Refreshing almost citrusy.
Myrcenol 50	An excellent cologne note with a citrus lime quality.
Myrcenol Super	Fresh, citrus.
Myrcenyl Acetate	Sweet citrus.
Nardozeste ABQ5031	Powerful, dry lemon peel note.
Neoproxen	Herbal, leafy, green citrus.
Neral Crude 88 %	Sweet floral citral lemony type fragrance.
Nerger Formate	Tangy, sweet citrusy, lime, lemon, bergamot odor.
Nerol Coeur	Moderately priced lemon verbena note dominating the rosy.
Nerol G	A powerful refreshing, clean lemon rose odor.
Neryl Geranyl Acetate	Citrus sweet floral.
Nonanal Di Methyl Acetal	Refreshing, citrus, floral green odor.
Nootkatone Purified	Citrus grapefruit odor.
Octacetal	Fresh, clean citrus character reminiscent of orange.
Orafleur	Powerful neroli, orange flower note, fresh and diffusive.
Orange Aldehyde	Powerful, dilution - sweet orange like, fatty odor.
Orange Carbinyl	Fruity orange.
Orange Carbonyls	Natural orange juice odor.
Orange Des Indes 68A817	A nice clean fresh orange odor with a discreet spicy note.
Orange Essence Oil	A natural oil free from terpene and sequesterpenes.



Orange Flavor Zing.	Green, fresh juicy sweet orange for juicy top notes in citrus blends.
Orange Flower Absolute	Has a very intensely floral, heavy and rich, warm, but also delicate and fresh, long lasting odor, closely resembling the odor of fresh bitter orange blossoms. Although this absolute certainly has notes in common with jasmin absolute, it has a much more versatile application as a floral fond when used at a comparatively low concentration. It shows a pleasant, but peculiar and characteristic, sweet herbaceous backnote, not unlike the one found in jasmin.
Orange Flower Bitter	Very intensely floral, heavy and rich, warm, but also delicate and fresh, long lasting odor, closely resembling the odor of fresh bitter orange blossoms.
Orange Flower Concrete	A dark, brownish or orange brown paste or soft mass. Its odor is extremely strong, floral, deep sweet, with a peculiar woody breadcrumb like backnote and great tenacity in floral notes. In high dilution, it is strikingly reminiscent of the odor of fresh orange blossoms.
Orange Flower Ether	Citrus grapefruit note also reminiscent of bergamot orange.
Orange Guinea Oil	Sweet fruity, reminiscent of the orange peel.
Orange Isolate	Has odor of natural peel, juicy with a rich aldehydic tone.
O.J. Carbinyln STD	Very juicy with an orange top note.
O.J. Carbinyln VCV	Orange, source is most likely valencia oranges.
Orange Juice Extract Natural 4/10	Very characteristic of freshly squeezed oranges without the pulp or slight bitter taste that naturally occurs in the fresh fruit. Overall a delightful fragrance suitable for many different creative blends.
Orange Oil Bitter	Bright bitter odor of oranges.
Orange Oil California	Sweet orange peel like odor.
Orange Oil Distilled	Orange peel like slightly less sweet and juicy.
Orange Oil 5 Fold	A very weak orange peel like odor.
Orange Oil Fla. Mid Season	Fruity orange.
Orange Oil Guinea C.P.	Orange, source Guinea, a country located on the west coast of Africa.
Orange Oil Nardenised	A beautiful sweet, deterpenised oil.

Orange Residue	Orange peel type odor, however not sweet like california oranges.
Orange Oil Sweet	Sweet fruity odor of oranges.
Orange Terpenes	Sweet fruity orange.
Orange Terpeneless	A nice light rich very smooth orange odor.
Orange Terpeneless	Sweet fruity orange peel like, very nice.
Orange Oil Terpeneless Special A	A sweet fruity very smooth orange soda like odor.
Orange Oil Terpeneless Extra	A delicately sweet orange peel odor reminiscent of orange preserves.
Orange Terpeneless X 5 Fold	A very weak pure orange odor.
Orange Oil Valencia	Orange, source valencia type florida oranges.
Orange Wax	A real orange peel like odor, neither sweet or juicy.
Oranger Crystals	Sweet and very tenacious orange blossom.
Oranger Guiana Essence	Sweet fruity and characteristic of orange peel.
Oranger Liquid	Sweet floral rather harsh orange blossom.
Ozonil	Very strong fruity reminiscent of nuances in orange and mandarin oil.
Pamplefleur	Citrus, grapefruit, floral vetivert.
Petitgrain Abs.	The best of petitgrain oil free of terpenic harsh by notes.
Petitgrain Bigarade Abs.	A beautiful product where the sulphur notes of petitgrain are muted. Has a green tea, citrus like woody note representing the essential oil to its finest.
Petitgrain Bigarade Oil	Pleasant fresh floral sweet odor.
Petitgrain Citronnier Oil	Distinct and pleasant, a fresh lemony floral woody odor.
Petitgrain Oil Moroc Sur Fleurs	Fresh floral citrus scent and a woody-herbaceous undertone.
Petitgrain Oil Mandarin	A fresh lemony floral woody odor extremely tenacious.
Petitgrain Oil Paraguay	Strong, bitter sweet, woody floral odor. The topnote is somewhat harsh, but it

quickly gives way to a heavy and sweet bodynote of typical petitgrain character, bitter floral, with a sweet and slightly woody backnote. The dryout, which comes quickly since the odor of this oil is not very tenacious, is sweet and slightly woody floral. According to the age of the oil, there are wide variations in the topnote of its odor. Most often, the topnote smells like the topnote of crude bois de rose oil, almost nutmeg like and warm spicy.

Petitgrain Oil S A	A fresh lemony floral woody odor.
Petitgrain Oil Terpeneless	Diffusive less bitter sweet floral woody odor.
Psuedo Linalyl Acetate	Citrus, bergamot floral lavender.
Rhodinol Augaflor 18	This crisp, citrusy type compound can implant an element of Lemon in a perfume. Gives the finished fragrance a freshness of smell, and touch much sought after.
Schiff Base	Ligantraal, green citrus, orange blossom best in 10 % solution.
Sino Citral	Fresh citral lemony with a floral background.
Sinocitril ABQ4020	Powerful aldehydic floral which has an enhanced tangerine character.
Stymonile ABQ7020	Is a zesty citrusy, radiant, ozone fresh complex.
Tamarine Base 41.310	Very diffusive and natural note of the green mandarine.
Tangelo Oil	The fragrance is a cross between a grapefruit and a tangerine. They have become a popular fruit commercially, since they are larger than tangerines with less seeds. Altogether fresh and citrusy.
Tangerine Essence	Fruity, characteristic sweet tangy tangerine.
Tangerine Oil	Fresh sweet odor reminiscent of valencia oranges.
Tangerine Oil Florida	Fresh sweet odor of valencia oranges.
Tangerine Terpenes	Fresh sweet fruity odor of valencia oranges.
Tangerine Type Oil	Sweet tangy tangerine like reminiscent of the peel.
Tangeris Givco 212	A pleasant citrus accord that evokes freshly squeezed tangerine peel, blended with floral, marine notes that give it an unusual sparkling zest. The fruity background enhances the composition's natural aspect. Extremely diffusive and long-lasting, it performs well in most functional product bases. Designed for

use as a top and middle note, it gives freshness and volume to all citrus, floral and green accords.

Terpinene Gamma	Terpeney, sweet, citrus with tropical and lime nuances.
Terpinyl Acetate Extra	Sweet slightly herbaceous of the bergamot lavender.
Terpinyl Acetate (CST)	Sweet, herbal, bergamot pure.
Terpinyl Acetate (GUM)	Sweet, herbal, bergamot lavender.
Tetra Hydro Mugol Coeur	Floral, citrus woody.
Tetra Hydro Myrcenol	Citrus, lime, sweet juicy.
Triplal	Powerful citrus green.
Triplal Extra	Green, citrus, herbal, aldehydic.
Unitene D	Piney lemony type odor.
Vandor B	Aldehydic, green, citrus fatty.
Vertocitral	Strong grassy green note, citric, somewhat herbal camphor like.

Fresh Air, Ozone, Fragrance Chemicals

45

Abozol	A light woody ozony type odor quite diffusive.
Adoxal	Sweet floral waxy rosy referred to as ozone like.
Algol AB5543	Powerful fresh seaweed complex, aldehydic top green herbaceous.
Ambrate	Subtle, reminiscent of seaweed, moss.
Amphermate	Herbal, woody, ozone.
Aspen Breeze	A muguet base containing a captive chemical with a cooling effect.
Aquanol	Fresh marine, green, aldehydic, muguet.
Azuril	Powerful, citrus-ozone linen.
Bicyclohexanone P	Cyclamen floral note with orris, woody, ozone nuances, fresh.
Bourgenal	Aquatic, floral, muguet, green.
Citralis PQ	Fresh, rosy-citrus-ozone with a hint of lily of the valley.
Cyclamen Aldehyde Extra	Can be used in many floral, green, fresh and marine accords.
Cyclemone A	Ozone, fruity, woody, herbal.
Cyclomyral	Marine, green, floral, ozone.
Decave	Fresh clean smelling outdoors odor.
Decyl Methyl Ether	Indicates fresh air, clean lauryl aldehyde odor.
Di Myrcetol	Citrus, herbal, ozone, lime.
Floralzone	Floral, aldehydic, ozone, muguet.

Florazon	Strong clean odor reminiscent of fresh air / sea air.
Ganone	A special product that is very strong fresh, marine & greenish notes.
Geraldehyde	Intene aldehydic note with marine, floral and citrus moieties.
Helional	Floral, green, aldehydic, ozone.
Interleven Aldehyde	Aldehydic, floral, ozone, citrus.
Iso Freshal Nitrile	Ozone, green, herbaceous, woody. Lasts 3 days on a smelling strip.
Lorena	Has a fresh odor of rose that recalls tang of the sea.
Maritima Ozone	Powerful, clean fresh air tone reminiscent of ocean breezes.
Melafleur	Floral, muguet, ozone (fresh air/marine), fruity.
Melozone	Green, aldehydic, melon, ozone.
Muguet Aldehyde	Floral, aldehydic, ozone, muguet.
Myrac Aldehyde	Citrus, aldehydic, floral, ozone.
Nerol Special	A fresh sea shore like floral rose.
Oakmoss NC	Fresh, marine, green.
Oakmoss Oliffac	Moss, leather, ozone, green.
Ozofleur	Green, floral ozone (Fresh air/marine), fruity.
Ozonal AB7203	Fresh, sea breeze, fantasy base mellowed by delicate floral.
Pre Cyclomene B	Ozone, aldehydic, floral, muguet.
Stymonile ABQ 7020	Is a zesty citrusy, radiant, ozone fresh complex
Vern Aldehyde	Has a fresh, green, mountain air character and blends well with citrus notes.

## Rose Fragrance Chemicals

47

Adoxal	Sweet floral waxy rosy referred to as ozone like.
Alcohol C - 8	Powerful fresh, orange rose like waxy and sweet odor.
Alcohol C - 9	Powerful oily floral fresh petal like, dilution - rosy.
Alcohol C - 11 Lenic	Fresh rather fatty odor, citrusy waxy rosy petal like note.
Aldehyde C - 11 Lenic	Powerful waxy rosy citrusy odor.
Alpha Damascone	Intensely fruity reminiscent of plums and roses.
Benzophenone	Powdery geranium rose like.
Beta Damascone	Fruity apple rose like odor.
Bois De Rose Essence	Slightly rose like with a sweet undertone.
Bois De Rose Oil	Floral odor reminiscent of rose orange mignoette.
Bois De Rose Syn AB2034	Excellent substitute for bois de rose oil.
Bois De Rose Terpeneless Oil	Floral and reminiscent of rose orange and mignonette.
Citronellol BRI	Fresh, clean floral rosy odor.
Citronellol Oil Coeur	Fresh, rosy, floral rosy.
Citronellol Oil Extra	Purer grade, fresher rosy.
Citronellol 700	Clean fresh rose, citronellol 70%, Geraniol 7%, Nerol 18%, D M Octanol 5%.
Citronellol 700 98TA	Clean, fresh, rose.
Citronellol 750	Clean fresh rose odor, fraction of citronellol 73%.

Citronellol 80 Intermediate	Clean fresh rose odor, fraction of citronellol 83.5%.
Citronellol 850	Clean fresh rose odor, fraction of citronellol 86%.
Citronellol 850	Clean fresh rose, citronellol 86%, geraniol & nerol 12%.
Citronellol 950	Clean rose like, citronellol 95%, geraniol and nerol 4 %.
Citronellol Last Fraction	Rosy, not as sweet as a typical fresh floral rose.
Citronellyl Acetate	Fresh, rosy, fruity odor reminiscent of geranium oil.
Citronellyl Acetate A	Sweet fruity geranium rose citronellyl acetate 85%, neryl acetate 5%.
Citronellyl Acetate BRI	Fresh, rosy, fruity odor
Citronellyl Acetate Pure	Sweet, fruity rose like, citronellyl acetate 95%, neryl acetate 5%.
Citronellyl Anthranilate	Rosy, fruity odor, extremely long lasting.
Citronellyl Iso Butyrate	Fresh almost citrusy rosy, intensely fruity and sweet odor.
Citronellyl N Butyrate	Intensely fruity, sweet and somewhat rosy leafy, petal like.
Citronellyl Formate	Pw leafy green fruity rosy fresh and light reminiscent of geranium rose.
Citronellyl Formate Natural	Sweet citrus floral honey.
Citronellyl Lactone D	Tenacious, spicy, rose absolute character.
Citronellyl Methyl Acetal	A little known citrus note very effective natural note to lemon.
Citronellyl Nitrile	A green rose like scent almost reminiscent of citralva.
Citronellyl Phenyl Acetate	Sweet herbaceous rosy, heavy and reminiscent of rose petals.
Citronellyl Propionate	Fresh fruity, sweet rosy odor more berry fruity odor.
Citronellyl Tiglate	Leafy, rosy geranium note useful in geranium, rose petal bases.
Citronellyl Valerate	Rosy, herbaceous honey like aroma.
Damas Rose FM1248	Is very damascone rose directed.
Damascenia	Rich sweet deep floral rose.



Damascenia Rosa Abs.	Rich warm spicy floral and very deep rose odor, honey tones.
Damascenia Rosa Concrete	Extremely rich deep and sweet floral truly reminiscent pink rose.
Damascenia 185 SA	Very powerful warm fresh top note of rose otto.
Damascenone	A powerful floral fruity note, very natural rose plum like.
Damascone Beta	Powerful, fruity floral note reminiscent of blackcurrant, plum, rose, dil.
Delta Damascone	A hybrid floral rose compound.
Di Butyl Sulfide	Green, violet leaf, rose geranium character.
Di Hydro Carvyl Acetate	Floral with rose, and cuminsed background, useful in floral accords.
Di Methyl Octanol	Waxy dry rosy odor.
Di Phenyl Oxide	Harsh floral green, metallic geranium rose type.
Dorina S A	Floral rose specialty base extremely fresh and floral.
Ethyl Ortho Methoxy Benzoate	Ylang tuberose, floral complex with raspberry and phenolic nuance.
Farnesyl Acetate	Faint, green floral rosy odor use in rose apple and herbal accords.
Florane	Powerful, green crushed petals rose like.
Florex	A deep not sweet floral rose fragrance.
Geraniofix AB751	Sweet green geranium rose, best used in 10% dilution.
Geraniol	Mild, and sweet floral rose.
Geraniol Coeur	Floral, rose oily and green.
Geraniol Extra	Sweet floral rose coeur grade.
Geraniol For Soap AB2015	Economical sweet rose base in lieu of geraniol last several days.
Geraniol 5020	Blend of geraniol 52%, nerol 25%, citronellol 20%.
Geraniol 60	Sweet floral rose.
Geraniol 600	Fresh rose petal, geraniol 60%, nerol 25%.

Geraniol 7030	Sweet fresh rose, geraniol 71%, nerol 19%.
Geraniol 8020	Sweet fresh rose with a citrus note, geraniol 81%, nerol 18%.
Geraniol 90	Mild and sweet floral rose.
Geraniol 980	Dry, rose petal, geraniol 97%.
Geraniol NC	Floral, spicy note reminiscent of rose & palmarosa with carnation tone.
Geraniol N Supra	Typical rosy mild, reminiscent of palmarosa oil
Geraniol RG	Rose alcohols mix with citrus, verbana notes of nerol, dewy.
Geraniol WT	Floral rose note with fresh verbena nuances.
Geraniol X Palmarosa Oil	Sweet and floral rose like.
Geranium Absolute	Intense and powerful somewhat leafy earthy but soft pleasant.
Geranium Algerian	Lighter more rosy leafy.
Geranium Augaflor 9	A powerful rose like odour of Bourbon with a high degree of tenacity.
Geranium Bourbon	Green leafy rosy strong.
Geranium Bourbon Oliffac	An economical simulation of the natural oil for fine fragrances.
Geranium Bourbon Super	A low priced approach to geranium oil.
Geranium Chinese	Natural source is China with a fine herbaceous rose like fragrance.
Geranium Concrete	A delightful earthy herbaceous somewhat rosy foilage green like odor.
Geranium Egyptian	Floral geranium rose blended from different batches.
Geranium Moroccan	Sweet and powerful, rosy leafy slightly herbaceous odor.
Geranium Oil	Has a full leaf like rose odor.
Geranium Oil Syn ABQ 5629	Excellent substitute, interesting fruity and rosy nuances.
Geranium 222	Powerful green, leafy rosy with a fruiy minty undertone, rich.
Geranodyle	Is a complex mixture with a fresh geranium odour.

Geranyl Acetate	Sweet fruity floral rosy.
Geranyl Acetate Extra	The finest sweet fruity floral rosy material available at low cost.
Geranyl Acetate Pure	Sweet, fruity and rose, geranyl acetate 98%.
Geranyl Acetone	Fresh floral light, but rather penetrating sweet rosy light green.
Geranyl Anthranilate	Heavy sweet floral rose.
Geranyl Benzoate	Faint rosy, very tenacious mildly floral.
Geranyl N Butyrate	Sweet rather heavy fruity rosy odor.
Geranyl Caproate	Fruity geranium rose like.
Geranyl Formate	Fresh somewhat dry green leafy rosy odor.
Geranyl Iso Butyrate	Sweeter than n butyrate.
Geranyl Phenyl Acetate	Soft floral honey rose like.
Geranyl Propionate	Sweet fruity rose warm.
Geranyl Tiglate	Quite pleasant sweet herbaceous geranium like fragrance.
Iso Amyl Geranate	Rosy, lemon honey character.
Iso Butyl Phenyl Acetate	Powerful leafy rosy musky fragrance.
Iso Damascone	A nice sweet slightly fruity green rose complex.
Iso Rose	An isomeric rose floral compound.
Lorena	Has a fresh odor of rose that recalls tang of the sea.
Meranol	Dry rose petal.
Methyl Nonyl Ketone	Fruity rosy orange like.
Methyl Tuberate	Floral most likely tuberose, rose like material not sweet.
Neo Rose Otto	A very high quality rose otto replacement at a lower cost.
Nerol	Sweet rosy refreshing wet seashore like.

Nerol A	Sweet rosy refreshing.
Nerol BG	A good general purpose rose verbena quality with a warm spicy.
Nerol Coeur	Moderately priced lemon verbena note dominating the rosy.
Nerol 800	Sweet fresh citrusy rose.
Nerol 850	Sweet citrusy, rose and fresh.
Nerol G	A powerful refreshing, clean lemon rose odor.
Nerol 900	Sweet floral rose fresh citrus like.
Nerol O M	Earthy, musty, palmarosa notes covering the verbena character.
Nerol Petals	Sweet rosy leafy refreshing.
Nerol Regular	A green note blends with the rose verbena tones in this grade.
Nerol Special	A fresh sea shore like floral rose.
Neryl Acetate	Very sweet fruity, floral odor of raspberry rose.
Neryl Butyrate	Green waxy oily and fatty.
Neryl Formate	Rosy, herbaceous green character.
Neryl Geranyl Acetate	Citrus sweet floral.
Neryl Iso Butyrate	Rosy, berry character.
Neryl Iso Valerate	Rich, clary sage of bergamot odor in oriental, oakmoss.
Neryl Propionate	Fruity, jam like odor used in citrus and floral fragrances.
Octanol 2	A floral rosy fresh odor.
Octanol Nitrile 10 B - 2216	A rosy floral odor.
Palmarosa Oil	Sweet floral rosy odor.
Palmarosa Oil Brazil	Palmarosa has a sweet, floral, rosy scent.
Palmarosa Oil Guatemala	A pale yellow or olive colored liquid with a sweet floral rosy odor.

Palmarosa India	Palmarosa oil has a sweet floral with a hint of rose.
Patinol AB286	Is more geranium rosy in character than geranofix.
Peomosa	Floral, rose mimosa like with a special light dry out.
Peonile	With its geranium-rosy character provides interesting floral effects.
Phenirat	Sweet, fruity, floral like rose somewhat honey.
Phenoxanal	Fresh floral rose.
Phenoxy Ethanol	Mild rosy, but also metallic.
Phenoxy Ethyl Alcohol	Mild honey rose odor.
Phenoxy Ethyl Iso Butyrate	Sweet fruity rosy floral.
Phenyl Ethyl Acetal	Warm, green leafy also rosy balsamic odor.
Phenyl Ethyl Acetate	Very sweet, rosy fruity honey like odor.
Phenyl Ethyl Alcohol	Mild and warm rose honey like odor.
Phenyl Ethyl Alcohol Extra	Fine, smooth, more powerful quality lasts a few days.
Phenyl Ethyl Benzoate	Very faint floral balsamic odor reminiscent of dry rose petals.
Phenyl Ethyl Cinnamate	Very faint and sweet pleasant balsamic odor.
Phenyl Ethyl Formate	Powerful green herbaceous rosy odor.
Phenyl Ethyl Iso Butyrate	Fresh fruity tea rose type.
Phenyl Ethyl Phenyl Acetate	Heavy and very sweet floral balsamic odor, musky honey like.
Phenyl Ethyl Pivalate	Floral possibly faintly rosy practically no odor.
Phenyl Ethyl Propionate	Very warm herbaceous rosy deep fruity.
Pivane 22	A sweet rosy floral fragrance.
Pivarose	Pleasant, tea rose.
Polarose	Powerful fatty oily waxy rosy odor.

Racina	A dry floral rose complex.
Rhodinol Coeur	Geranium rose.
Rhodinol X Citronella	Naturally sweet rosy floral.
Rhodinol X Geranium Oil	Floral, rose sweet waxy and powdery.
Rhodinyl Acetate	Sweet, light refreshing rose muguet, green leafy notes.
Rhodinyl N Butyrate	Intensely sweet mellow fruity deep rosy.
Rhodinyl Formate	Fresh leafy green delicate rosy.
Rhodinyl Phenyl Acetate	Sweet, very deep soft honey like rose.
Rhodinyl Propionate	Rich and sweet fruity floral rose geranium type.
Rhodinyl Salicylate	Very weak sweet rosy powdery balsamic odor.
Rhodinyl Valerate	Heavy fruity, slight earthy green, but also sweet odor.
Rosacene	A nice light delicate floral rose compound not overly sweet.
Rosalva	Powerful fatty oily, waxy rose odor.
Rosamus	Unusual combination of rose with musky modifications.
Rose Abs. Morocco	Extremely fresh and sweet floral rose odor.
Rose Abs. Oliffac	An inexpensive substitute of natural absolutes from rose petals.
Rose Abs. Turkey	A tenacious diffusive sweet floral, truly captures fresh flower.
Rose AB380D	Rose absolute, slightly herbal animalic tones.
Rose Acetate	Mild floral rosy.
Rosania FM1018	Diffusive natural green geranium rose.
Roseate	Delicate moist rose petal tone with gentle power.
Rose Bulgare Oil	Intensely rose like, and sweet.
Rose Concrete Morocco	Has a warm deep floral, slight woody sweet with honey like notes odor.

Rose Crystals	Mild, at first very weak green rosy balsamic odor.
Rose De Mai	Rich, sweet, deep rosy very tenacious odor with honey notes.
Rose De Mai Abs.	Rich and sweet deep rosy tenacious odor.
Rose De Mai Abs. French	Has a rich sweet, deep rosy very tenacious odor.
Rose Essence 193	A very strong, but yet sweet floral rosy fresh odor.
Rose Essence Bulgare	A very diffusive vivacious rose odor, slightly sweet and floral.
Rose Geranium Augaflor 19	A wonderfully rich, warm rosey odour reminiscent of a summer day.
Rose Givco 217	Warm rosy resembling natural Turkish oil quite delightful.
Roseessence 17.600B	Full, rich, strong as natural rose otto bulgarian.
Rose Moroccan Abs.	Deep sweet, rich and tenacious floral rose odor.
Rose Moroccan Oil	Fragrant rose and characteristic of the flower.
Rose Nitrile	A rich rose geranium woody note with excellent strength.
Rose Oil Moroccan	Deep sweet, rich and tenacious floral rose.
Rose Oil Moroccan Select	The finest moroccan rose fragrance at an attractive cost.
Rose Oil Otto	Warm deep floral slightly spicy odor reminiscent of red roses.
Rose Oil Templar	A typical sweet rose odor whose source is rooted in English lore.
Rose Oil Turkey	Diffusive strong vibrant floral rose scent reminiscent of the rose.
Rose Oil Turkey Commercial	An extremely floral typical rose odor, not intense or over powering.
Rose Oil Turkish	Sweet floral rose.
Rose Orient	Intensely rose like, mysterious diffusive, rounded and nice.
Rose Otto Augaflor	A deep, warm, rich unmistakable rose odor.
Rose Otto Syn. Pour Savon	A low cost simulation of rose otto for general purposes.
Rose Otto Turque Oil	Sweet, intense floral rose.

Rose Oxide D	Gives fresh herbal rose effects and rosy green nuances.
Rose Oxide Inactive	A compound with an intensive note of roses.
Rose Oxide L	Constituent of bulgarian attar of roses.
Rose Oxide R	Reminiscent of rose geranium.
Rose Oxyde	Green, very diffusive fresh note which resembles geranium oil.
Rose Oxyde Gauche	Similar although sweeter, fresher and more diffusive.
Rosetal A	Diffusive rose absolute type odor for use in floral based fragrances.
Rose Tenace	Diffusive long lasting rose odor suggests otto of rose.
Rose Turkey Absolute	Deep sweet rich rosy floral odor, souce Turkey.
Rose Turque Essence	Fragrant rose characteristic.
Top Rose ABQ5644	The top note of bulgarian rose oil lasts a few weeks.
Trans De Cadro Beta Naphyl	Floral rosy.
Trans 4 Decenal # 382	Floral rosy.
Tuberanthia SA	Tuberose.
Tuberose Abs.	A heavy sweet almost nauseating floral odor of tuberose.
Tubereuse 181	A reconstitution of tuberose absolute, rich warm, sensual.
Tuberose Oliffac	Sweet intense floral character of tuberose.
Tuberose Pomenade	A heavy sweet almost overpowering tuberose odor.
Wardia	A classic reproduction of rose de mai absolute, powerful.



Violet Fragrance Chemicals

57

Alpha Ionone	Soft warm, orris violet like, sweet and extremely diffusive.
Alpha Ionone 60	Mild floral violet odor.
Alpha Ionone White Coeur	Floral violet like.
Beta Ionone	Warm woody dry odor with a fruity undertone.
Beta Ionone R	Dry powdery, floral, woody, orris.
Bicyclohexanone P	Cyclamen floral note with orris, woody, ozone nuances, fresh.
Cetonal	Is an elegant ingredient used in woody, orris accords as well as with leather, tobacco and animal notes where it acts as an excellent blending agent and adds to the harmony of a fragrance.
Cetone Alpha	Tenacious floral violet compound.
Cetone V	Has many facets to its character and thus has many uses. It blends well with ionones, citrus notes, lavender, fruity and oriental accords where it adds body and excellent diffusion.
Folione	Used in traces, produces violet-leaf and cucumber notes. It blends extremely well with products in the orris family of ionones.
Ionantheme 100 %	Is used largely in floral, violet bouquets, but also in fruit accords to provide volume and substantivity. Is fruitier and less woody than either Irisone Alpha or Irisone pure.
Ionol Alpha	Berry, sweet ionone like with a woody floral powdery note.
Ionol Beta	Sweet, woody berry powdery, floral and fruity.
Ionone	Warm, balsamic, violet floral.

Ionone Alpha	Floral, violet, woody fruity.
Ionone Alpha Extra	Floral violet.
Ionone Alpha Beta Regular	Warm, woody more violet, alpha ionone 60%, beta ionone 30%.
Ionone Alpha Methyl C	Floral violet.
Ionone Alpha Methyl Naphyl	A very faint slightly sweet floral violet type odor.
Ionone Alpha Refined	Fruity, woody violet, fresher, alpha Ionone 81%, beta ionone 9%.
Ionone Alpha Regular	Warm, woody violet, alpha ionone 70%, beta ionone 30%.
Ionone Alpha White Coeur	Floral violet.
Ionone Beta Pure	More fruity, and woody like than alpha.
Ionone 100 %	Violet odor with a suggestion of cedarwood and orris.
Iraldein Delta	Floral violet as well as with dry powdery iris nuances.
Iraldein Gamma	Sweetly floral like violet slightly fruity like fig and raspberry.
Iraldein 100%	Pleasant floral like violet as well as somewhat woody.
Iralia	A very pure orris or violet note of powdery woody character.
Iris Aldehyde	Extremely powerful, and diffusive orris odor.
Iris Beurre Essence	Orris violet.
Iris Beurre Oil	Orris violet.
Iris Concrete	Woody oily violet like odor.
Iris Concrete 8 % Irone	Orris, violet leaf like green odor.
Iris Concrete 11 % Irone	Orris, violet leaf like green odor.
Iris Concrete 199 KSA	Woody fatty oily but distinctly violet floral.
Iris Givco 204/2	This is a floral base specifically designed to match the scent of orris absolute for use in functional applications. This reconstitution reflects the different facets of natural orris absolute: gourmand, floral, woody and powdery. Iris Givco

204/2 acts as a modifier of Isoraldeine 70 and Ionone Beta, boosting and imparting sparkling and vibrant effects to them. It also blends beautifully with floral-green accords and enriches woody/chypre themes. This base does not lead to discolouration. Cost-effective, natural-smelling and stable replacement for orris absolute

Iris Noir Abs.	Violet floral orris like.
Irisodor	Violet floral.
Irisone Alpha	Widely used in perfume compositions of almost all types. The use of the fragrances in rose bases is very common. It is used in woody, floral, balsamic, piney or citrus-like fragrances.
Irisone Pure	Widely used in perfumes designed for functional products. Its powerful, rich, floral-violet character is easy to blend with many floral, woody, aldehydic, fruity and chypre accords.
Iris 199 D	Wax like mass of woody, but distinctly violet odor.
Iris 199/K SA	A reconstitution of iris concrete.
Iris 199 SA	A reconstitution of iris absolute.
Iris Resin	Deep sweet slightly woody tobacco like.
Iris Resinoid	Oily woody violet like.
Iritone	A velvety floral note in the violet ionone family.
Irival	Concentrated orris note.
Irone Alpha Refined	Soft warm orris violet like sweet and diffusive.
Iso Butyl Benzoate	Weak fresh orris odor.
Linalool Terpenes	Floral woody iris, quite harsh odor not pleasant.
Mahagonate	Woody spicy resembling patchouli, vetiver and sandalwood iris.
Merion	Highly diffusive floral, oriental woody complex with violet note.
Methyl Ionone	Warm, woody floral violet lasts several days.
Methyl Ionone Alpha Extra	Orris violet floral.

Methyl Ionone Alpha Extra	Floral, violet, isomeric mixture.
Methyl Ionone Alpha Iso	Precious wood tobacco, creamy violet.
Methyl Ionone Alpha 60	Floral, violet, isomeric mixture.
M I A Iso Super FM1110	A sophisticated product in which the violet florality is enhanced.
Methyl Ionone Beta	Woody warm odor.
Methyl Ionone Beta Coeur	Purer grade more woody, and warm.
Methyl Ionone Extra	Mild floral odor of violets.
Methyl Ionone Extra 500	Floral, woody, violet.
Methyl Ionone Gamma A	A floral violet woody isomeric mixture.
Methyl Ionone Gamma Coeur	Woody, floral violet.
Methyl Ionone Gamma Extra	Mild floral odor of violets.
Methyl Ionone Gamma Pure	Woody, floral violet, dry.
Methyl Ionone Gamma Replacer	Familiar woody floral complex, tobacco like undertone.
Methyl Ionone Gamma Supreme	Floral violet woody fruity complex.
Methyl Ionone Regular	Mild floral odor of violets.
Methyl Ionone Regular 450	Violet, woody.
Methyl Ionone Residue	Harsh floral violet slightly woody.
Methyl Ionone Tails	A harsh woody floral violet odor, reminiscent of ionone beta.
Methyl Ionone Terpenes	Harsh woody solvent masking odor.
Methyl Octine Carbonate	Green violet leaf like.
Methyl Octine Carbonate Sub.	An unrestricted and safe replacement.
Methyl Octyne Carbonate	Widely used in floral notes. It produces the powerful yet subtle note of violet leaves with a fruity-vegetable cucumber undertone.

Neofolione	Blends very well with most floral notes, especially violet, where it is particularly useful in replacing Folione. It imparts freshness and diffusion and has good stability.
Nonadienal	Blends well in green top note accords. Used as a modifier it imparts a natural violet leaf aspect.
2,6 Nonadien 1 OL	Cucumber or violet flower odor.
2, 6, Nonadienal # 332	Intense powerful vegetable green, reminiscent of violet leaves.
2, 6 Nonad 1 al Diethyl Acetal	Smooth floral violet, melon odor.
Nonadienol	A constituent of violet leaves as well as of cucumber. Is effective in a wide range of applications in adding a natural melon-cucumber note. It is olfactively similar to Nonadienal, but is fruitier and less leafy.
Octyl Formate	Powerful and relatively diffusive fruity green orris.
Orriniff 25 % IPM	Floral, violet, orris leather.
Orris Abs.	A floral green violet like odor.
Orris Augaflor 13	This beautiful orris blend has all of the orris characteristics, warm in the top note, cascading into a sea of violet, thus extending the Perfumer's art to include this delicate fragrance.
Orris Concrete	Floral violet.
Orris Concrete Natural	Oily violet leaf like.
Orris Conc. Natural Essence	Violet floral.
Orris Extract	Waxy sweet floral violet with berry woody nuances.
Orris Oil	Floral violet.
Orris Resin Abs.	Floral violet.
Orris Resinoid	A very herbaceous slightly green floral like odor.
Parmavert	Powerful floral green, sweet and violet leaf like.
Pseudo M I Terpenes	A harsh floral violet like odor.

Raldeine A GV	A special quality of methyl ionone containing larger amounts of the n-alpha greater 50 %, and n-beta typically 15 %. The result is a woodier, fruitier olfactive character.
Rhuboflor	Powerful green note, fruity floral and herbal, undertone orris.
Violet	A favorite in Sufi healing since a hadith of the Prophet states that "the excellence of the extract is above all others extracts as the excellence of me is above all of the rest of creation". A shy yet deep and early scent for quiet beauties.
Violet Abs. French	Strong herbaceous floral violet.
Violet Abs. Rue	Herbaceous floral violet, not as sweet as the french oil.
Violet Abs. Selection	Strong floral violet odor.
Violet Augaflor 27	A fresh, green, violet odour. Long lasting, with a wonderful deep green odour.
Violet Colorless 54.5219	Herbaceous floral odor of the violet.
Violet Concrete	Characteristic of fresh violet leaves with a possible source in Egypt.
Violet Leaf Absolute	Oily green cucumber leafy fresh sweet floral odor quite strong.
Violet Leaf Abs. N.Y. 11149	Green floral violet, very subtle slightly sweet.
Violet Leaves Abs.	Powerful green leaf odor delicately floral note reminiscent violet.
Violet Leaves Abs.	Green, melon floral, fresh waxy and leafy.
Violet Leaf Abs.	Slightly violet, not strong or sweet.
Violiff	Floral, violet, banana.

## Jasmin Fragrance Chemicals

63

Benzyl Acetate	Strong sweet fresh fruity floral odor of many types of flowers.
Benzyl Acetate Coeur	A richer, softer jasmin.
Benzyl Acetate FFC	Floral, jasmine
Benzyl Propionate	Fruity sweet, floral undertone type jasmin.
Claigeon	Jasmin-like.
Cepionate	Powdery long lasting, jasmin.
Cis-Jasmon	Diffusive, fruity jasmin.
Cis-2-Pentenol	Powerful, jasmin, like.
CIS Jasmone	Diffusive, warm spicy fruity, dilution - floral.
Delphone	Powerful, diffusive and complex floral aromatic and fruity, jasmin.
Di Hydro Iso Jasmone	Lactonic, floral, jasmine.
Di Hydro Iso Jasmonate	Fruity odor floral jasmin.
Di Hydro Jasmone	Fruity sweet floral woody with a powdery nuance.
Di Jasmone	A full, deep jasmin type odor, intensely floral.
D M B C - Acetate	Fresh powerful fruity floral odor of jasmin, lily.
2-Heptyl Cyclopentanone	Floral, herbal, jasmin-like.
2-n-Hexyl Cyclopentanone	Green floral, jasmin-like.
Iso Jasmone	Isomeric floral jasmin mixture.

Iso Jasmone Pure	Powerful, latonic, celery - jasmin.
Jasmacylene	Low cost, fresh diffusive green, woody anise, herby, - jasmin.
Jasmal	Powerful oily herbaceous warm jasmin odor.
Jasmaprunate	Fruity like apple jasmin dry slightly green like wild grapes.
Jasmatone	Diffusive, warm spicy celery, with a hint of frutiness, - jasmin.
Jasmelia	A pungent jasmin, jasmone odor with a hint of parsley.
Jasmin # 187	A sweet floral fruity jasmin floral complex.
Jasmin AB13	Economical but tenacious base with a fruity top note.
Jasmin AB 410	Long lasting, absolute note of floral jasmin.
Jasmin Abs.	Floral jasmin not overly sweet like cananga oil.
Jasmin Abs. Concrete Syn	A pleasant fruity sweet floral jasmin odor.
Jasmin Abs. Italian Max.	The purest heart of the floral jasmin.
Jasmin Abs. Oliffac	An economical approach of the precious jasmin flower.
Jasmin Chassis Abs.	Resembles orange flower absolute, warm sweet and heavy.
Jasmin Concrete	With a varying source odor is waxy, fatty sweet jasmin like.
Jasmin Egyptian	An extremely fine floral jasmin fragrance.
Jasmin Egyptian C2612	Has fine jasmin top note quite diffusive.
Jasmin Etoile Givco 144	Spicy warm floral.
Jasmin Lactone	Powerful cream, jasmine, peach coconut note.
Jasmin Petals Abs. Egypt	A sweet strong jasmin green floral petal like odor.
Jasmin 74D	A reconstitution of jasmin absolute.
Jasmine	The sweetest and most celebrated flower of North Africa.
Jasmolactone	Sweet fruity floral jasmin.



Jasmolactone CNC	Oily, fruity floral petal like suggestive of many floral absolutes.
Jasmo Lactone XC	Jasmin absolute odor with a buttery note.
Jasmoneige	Natural jasmin.
Jasmonol	Floral waxy odor works well in tuberose, honeysuckle and jasmin.
Jasmonyl	Intensely sweet floral jasmin.
Jasmonyl Acetate	Jasmin somewhat pear like odor.
Jasmophyll	Sweet floral fruity like jasmin slight green herbal woody nuance.
Jasmorange	Fruity balsamic, green floral, aldehydic.
Jasmopyrane	Rich, waxy, sweet floral jasmin complex.
Jasmopyrane Forte	More tenacious floral jasmin, and has a slight mushroomy note.
Jessemal	Herbaceous floral jasmin.
Lactone CIS Jasmone # 114	Soft floral odor of jasmin.
Lactone of CIS Jasmone # 411	A floral waxy, jasmine absolute odor. Used in jasmine fragrances.
Methyl Jasmonate	The floral heart of jasmin, petal soft and tenacious, elegant.
Methyl Jasmonate Extra	More powerful and floral than standard material extremely diffusive.
Zeppin	Diffusive, sweet, noble jasmin.

Green Fragrance Chemicals

66

Acetate C - 9	Powerful fruity green leafy.
Aldehyde C - 6	Powerful fatty green grassy odor.
Aldehyde C - 8	Soft woody green mildly floral odor.
Alfania Base 38228	If a compound based on alfalfa most likely green or herbal.
Ambrose Abs.	A very strong green floral type fragrance.
A C A Di Methyl Acetal	Peculiar animal green odor.
Amyl Salicylate	Sweet herbaceous green slightly floral.
Anisyl Formate	Sweet herbaceous green somewhat dry odor.
Armoise Oil	Herbaceous green.
Balinol	A green floral compound.
Benzyl Formate	Powerful fruity green herbaceous.
Bois Amberene Forte	Green floral odor.
Bourgeon De Cassis	Green.
Cassis Base 345 B	A green fruity floral character.
Cassis Fragrance	Strong green fruity floral fragrance.
CIS 3 Hexenyl Acetate	Intensely green sharp fruity, very diffusive, dilution - banana.
CIS 3 Hexenyl Benzoate	Mild, but tenacious green herbaceous woody odor.
CIS 3 Hexyl Alcohol	Powerful, and intensely green grassy odor.

CIS 3 Hexyl Salicylate.	Sweet, slightly green balsamic odor.
Citralva	Powerful oily green lemony fresh odor.
Citronellal	Powerful fresh green citrusy, slight woody odor.
Citronellyl Formate	Pw leafy green fruity rosy fresh and light Rem of geranium rose.
Cortex Aldehyde	Powerful green woody sap like, but fresh aldehydic sweet.
Cumin Aldehyde	Extremely powerful diffusive green spicy, slightly fatty odor.
Cuminic Aldehyde	Pungent green herbaceous odor.
Cyclal - C	Powerful green leafy floral odor.
Cyclamen Aldehyde	Diffusive powerful floral green stem like odor.
Cyclo Galbonate	Strong herbaceous green.
Decatone	A strong green odor.
Di Ethyl Malonate	Sweet pleasant fruity green reminiscent of apples.
Di M Phenyl Ethyl Carbinol	Soft floral green.
Di Phenyl Oxide	Harsh floral green.
Ethyl Levulinate	Ethereal fruity, somewhat green and sweet odor.
Ethyl 2 Methyl Butyrate	Powerful diffusive green fruity pungent odor Rem of apple peels.
Farnesol	Mildly floral delicately sweet oily fresh green odor.
Feuillage Vert Base 47.062	Green floral base possessing a cool natural freshness.
Fleuroxene	A strong green floral woody nondescript odor.
Floral N	A soft slightly green floral odor.
Floromat	A floral green type odor.
Floropal	Herbal fresh floral green.
Florosa	A light sweet delicately floral green fragrance.

Florosia	A light sweet green floral.
Galbanum Oil	Spring green leafy like.
Galbex 183	Woody green herbaceous odor.
Geranium Bourbon	Green leafy rosy strong.
Geranyl Acetone	Fresh floral light, but rather penetrating sweet rosy light green.
Geranyl Formate	Fresh somewhat dry green leafy rosy odor.
Grapefruit Body Fleurom	Extremely powerful green grapefruit odor.
Gyrane	A diffusive herbal green type odor.
Heptavert	A green woody odor.
Herbaflorat	Green sweet fruity.
Hexadrenyl Iso Butyrate	Oily sweet fruity green apple, and galbanum like odor.
Hexyl Benzoate	Woody green piney balsamic odor.
Homo Cumminic Aldehyde 50	Pw, diffusive green twiggy effect with cut grass hedge like odor.
Hyacinth Body	Powerful leafy green with hyacinth note.
Hydratropic Aldehyde	Very powerful penetrating green earth foilage.
Hydratropic A D M Acetal	Powerful, earthy warm spicy green deep fruity odor.
Hydrofix L	Sweet floral lily with a fresh green dry out.
Hydroxycitronellal X Citronellol	Muguet sweet floral green, citrusy fresh.
Iso Cyclo Citral	Powerful and diffusive floral green.
Jacintheme 135 SA	Reminiscent of the green floral heart of hyacinth.
Leaf Acetal Extra	Powerful oily green odor with a sweet vegetable undertone.
Leaf Acetate	Intensely green diffusive odor.
Leaf Alcohol	Powerful fruity green slightly fruity.

Leaf Salicylate	Sweet, slightly green balsamic odor.
Liffarome	Violet green.
Ligustral	Fresh green.
Lilial	Sweet yet refreshing floral green.
Lile Strallis 22	Fresh light green floral, reminiscent of lilial.
Linalyl Formate	Fresh citrusy green bergamot like.
Lyral	Delicately sweet, light and floral.
Mallow	A slightly green sweet floral fragrance.
Mayol	A sweet green floral material.
Melon Enhancer	A diffusive green melon type odor.
Melonyl 86471 VMF	A very nice light sweet green melon odor very diffusive.
Methyl Heptenone Extra	Fruity green slightly waxy.
Methyl Hexyl Ketone	Pleasant floral bitter green, slightly musty.
Methyl Octine Carbonate	Green violet leaf like.
Methyl Phenyl Carbinol	Earth green reminiscent of gardenia and hyacinth.
Mimosa Abs. Essence	A green floral delicately mimosa like.
Muguet Aldehyde 50	Diffusive green muguet lily type odor.
Nerolidol	Mild and delicately floral slight green reminiscent of apple lily.
Nerolidyl Acetate	Sweet woody and mildly refreshing green.
Olibanum Oil	Strongly diffusive fresh terpeney green.
Orris Resinoid	A very herbaceous slightly green floral like odor.
Phenyl Acetaldehyde	Powerful green wood sap like.
Phenyl A Glycerine Acetal	Peculiar oily green earthy ranty, but mild and sweet.

Phenyl Di Methyl Acetal	Powerful green earthy flower stem like odor.
Phenyl Ethyl Acetal	Warm, green leafy also rosy balsamic odor.
Phenyl Ethyl Formate	Powerful green herbaceous rosy odor.
Phenyl Propyl Acetate	Fresh floral powerful fruity green.
Phenyl Propyl Aldehyde	Floral hyacinth, lilac, balsamic green.
Rhodinyl Formate	Fresh leafy green delicate rosy.
Rhodinyl Valerate	Heavy fruity, slight earthy green, but also sweet odor.
Rose Crystals	Mild, at first very weak green rosy balsamic odor.
Scentenal	Powerful green refreshing watery floral.
Stemone	Green slightly herbaceous odor.
Strallyl Acetate	Powerful and penetrating green floral in dilution.
Strallyl Propionate	Balsamic green floral type odor.
Syringa Aldehyde	Powerful and refreshing green fruity forest like sweet odor.
Taget Abs.	Intensely herbaceous green with a sweet fruity undertone.
Tolyl Acetate	Sweet floral fruity and mildly green.
Trans 2 Hexenyl Acetate	Powerful and fresh green sweet fruity very natural odor.
Tri Cyclo Decenyl Acetate	Powerful herbaceous green and fresh woody odor.
Undecavertol	Strong, however not over powering slightly green floral odor.
Vern Aldehyde	Fresh green.
Vetchouli	Green herbaceous odor.

Herbaceous Fragrance Chemicals

71

Alfania Base # 38228	If a compound based on alfalfa most likely green or herbal.
Amyl Cinnamic Aldehyde	Mild herbaceous reminiscent of many types of flowers.
Anisyl Formate	Sweet herbaceous green somewhat dry odor.
Armoise Oil	Herbaceous green.
Basil Oil Commores	Fresh, somewhat herbaceous.
Benzcinimal	Powerful sweet herbaceous, cinnamon spicy odor.
Benzyl Formate	Powerful fruity green herbaceous.
Camomile German	Typically sweet, and herbaceous.
Camomile Moroccan	Similar to above and below except for a rose, honey.
Camomile Roman	Characteristic odor of the flowers, fresh, sweet herbaceous.
Carvacrol	Penetrating dry medicinal phenolic herbaceous odor.
Carvone Laveo	Warm herbaceous bread like, reminiscent of spearmint oil.
CIS 3 Hexenyl Benzoate	Mild, but tenacious green herbaceous woody odor.
Cornmint Terpenes	Warm herbaceous bread like, spearmint like.
Coumarin	Sweet, herbaceous warm somewhat spicy odor, dilution - hay like.
Cuminic Aldehyde	Pungent green herbaceous odor.
Cyclo Galbonate	Strong herbaceous green.
Di Hydro Anethol	Powerful sweet herbaceous.

Di Hydro Cuminy Alcohol	Warm, herbaceous slightly woody odor.
Di Methyl Benzyl Carbinyl	Warm herbaceous floral.
Di Methyl Hydro Quinone	Warm herbaceous, nut tobacco like.
Ethyl Methacrylate	Very diffusive and penetrating grassy herbaceous odor.
Floropal	Herbal fresh floral green.
Flove Oil	Intensely sweet, coumarin hay like heavy herbaceous odor.
Galbex 183	Woody green herbaceous odor.
Gamma Heptalactone	Sweet herbaceous nut like.
Gamma Octalactone	Sweet herbaceous coconut like.
Geranium Moroccan	Sweet and powerful, rosy leafy slightly herbaceous odor.
Gyrane	A diffusive herbal green type odor.
Herbonal	A fresh garden herb like fragrance.
Herboxane	A faint herbal odor with a sweet dry out.
Hexyl Cyclo Pentanone # 405	Powerful and diffusive dry floral green herbaceous odor.
Hexyl Salicylate	Faint sweet herbaceous floral odor.
Iso Butyl Caproate	Mild herbaceous woody, but over all fruity oily odor.
Iso Butyl Salicylate	Sweet harsh herbaceous floral.
Iso Nonyl Alcohol	Powerful oily herbaceous, dilution - sweet odor.
Iso Plugeol	Minty herbaceous reminiscent of the first smell of tuberose.
Jasmal	Powerful oily herbaceous warm jasmin odor.
Jessemal	Herbaceous floral jasmin.
Labdanum Abs.	A sweet herbaceous recalling ambergris, slightly animal.
Laveo Menthyl Acetate	Mild and sweet slightly fruity herbaceous minty odor.



Lavandin Grosso	Sweet balsamic herbaceous.
Lavender Oil Spiked	Typically sweet, balsamic and herbaceous.
Lie De Vin Select	Harsh herbaceous floral type odor.
Marigold Abs.	Intensely bitter herbaceous odor.
Menthanyl Acetate	Fresh piney citrusy somewhat herbaceous.
Methyl Anisate	Sweet herbaceous delicately floral odor.
Methyl Cinnamic Aldehyde	Powerful sweet herbaceous cinnamon spicy.
Methyl Heptyl Ketone	Fruity floral, slightly fruity and herbaceous odor.
Methyl Jasmonate	Powerful herbaceous floral.
Methyl Lavender Ketone	Sweet floral lavender.
Ocimene	Warh herbaceous and very diffusive odor.
Origanum Oil	Possesses a tar like herbaceous, but very refreshing odor.
Orris Resinoid	A very herbaceous slightly green floral like odor.
Ortho Methyl Cinnamic Ald	Powerful sweet herbaceous woody camphoraceous, spicy.
Oxaspirane	Powerful herbal minty camphoraceous.
Patchouli Dark	Extremely rich sweet herbaceous aromatic spicy woody.
Patchouli MD	Very sweet rich spicy aromatic herbaceous balsamic odor.
Patchone	Extremely dry woody camphoraceous, patchouli like odor.
Phenyl Ethyl Formate	Powerful green herbaceous rosy odor.
Phenyl Ethyl Propionate	Very warm herbaceous rosy deep fruity.
Phytia Abs.	Powerful floral herbaceous balsamic, not sweet.
Piconia	Woody, patchouli earthy like.
Rosemary Oil	Woody herbaceous, reminiscent of spike lavender oil.

Sage Oil Clary	Sweet herbaceous tenacious odor.
Sage Oil Dalmation	Fresh strong warm spicy herbaceous, camphoraceous.
Stemone	Green slightly herbaceous odor.
Taget Abs.	Intensely herbaceous green with a sweet fruity undertone.
Talin	Fruity herbal odor of anise, basil and fennel.
Tansy Oil	Almost sharp and spicy dry herbaceous odor.
Terpinyl Acetate	Mildly herbaceous sweet and refreshing.
Tepyl Acetate	Oily herbaceous floral, and sweet earthy odor.
Thyme Oil Red	Rich sweet powerful, warm herbaceous spicy.
Thymol Crystals	Powerful sweet medicinal herbaceous warm odor.
Tonka Beans Abs.	Sweet herbaceous slightly coumarin.
Tri Cyclo Decenyl Acetate	Powerful herbaceous green, and fresh woody odor.
T M Cyclo Hexanol Acetate	Mild and sweet minty herbaceous.
Veltonal	Strong herbaceous type odor.
Verdyl Propionate	Fresh herbal note reminiscent of basil oil.
Vetchouli	Green herbaceous odor.
Violet Abs. French	Strong herbaceous floral violet.
Violet Abs. Rue	Herbaceous floral violet, not as sweet as the french oil.
Violet Colorless 54.5219	Herbaceous floral odor of the violet.
Wormwood Oil	Intensely herbaceous green warm and deep.

Diffusive Fragrance Chemicals

75

Acetoin	Intense creamy fatty, buttery.
Acetophenone	Pungent sweet odor, in dilution - resembles hawthorne.
Acetate C - 9	Powerful fruity green leafy odor.
Adoxal	Very powerful very tenacious sweet floral waxy, citrusy.
Alcohol C - 8	Powerful fresh, orange rose like waxy and sweet odor.
Alcohol C - 9	Powerful oily floral fresh petal like, dilution - rosy.
Alcohol C - 10	Used only in traces, sweet slightly fatty oily odor.
Aldehyde C - 6	Very powerful fatty green grassy odor.
Aldehyde C - 7	Powerful oily fermenting fruity.
Aldehyde C - 9	Powerful and diffusive fatty floral waxy odor.
Aldehyde C - 10	Penetrating very powerful sweet waxy orange peel like odor.
Aldehyde C - 11 Lenic	Powerful waxy rosy citrusy odor.
Aldehyde C - 12 MNA	Great power, fresh orange amber.
Aldehyde C - 14	Powerful peach note.
Allyl Cyclo Hexyl Propionate	Powerful and sweet fruity odor resembles pineapple.
Alpha Frenchyl Alcohol	Diffusive warm camphoraceous.
Alpha Ionone	Soft warm, orris violet like, sweet and extremely diffusive.
Ambrinol	Extremely powerful amber with natural somewhat musky.

Amyl Acetate	Powerful fruity banana like odor.
Amyl Vinyl Carbinol	Powerful sweet earthy, almost buttery fungus like.
Bacdanol	Powerful sandalwood note.
Bay West Indian Oil	Powerful spicy and sweet, in parts freshness to soaps.
Beachwood Cresote	Powerful reminiscent of smoked wood.
Beauverate	A diffusive animal odor of the castoreum beaver.
Benzaldehyde	Powerful sweet odor of freshly cut bitter almonds.
Benzyl Acetate	Powerful sweet fresh fruity of jasmin, gardenia, muguet, lily.
Benzyl Formate	Powerful fruity green herbaceous.
Bourgenal	A powerful muguet note.
Bromystrol Omega	Pw pungent floral somewhat grassy odor Rem of hyacinth.
Butyl Acetate	Very diffusive ethereal odor resembling fermented rum.
Cade Oil	Intense tar like smoky phenolic odor.
Caraway Oil	Intense and spicy.
Carvacrol	Penetrating dry medicinal phenolic herbaceous odor.
Cashmeran	Diffusive musk.
Cassie Abs.	Powerful strong spicy floral odor.
Castorium Hyper Abs.	Very powerful warm animal like scent.
Cedar Leaf Oil	Intensely sharp, but quite fresh camphoraceous.
Cinnamaldehyde	Powerful warm spicy balsamic suggests cassia oil.
Cinnamalva	Powerful warm spicy oily slight floral.
Cis Jasmone	Diffusive, warm spicy fruity, dilution - floral.
CIS 3 Hexenyl Butyrate	Powerful fruity winey green cognac brandy like.

CIS 3 Hexyl Alcohol	Powerful, and intensely green grassy odor.
Cistus Abs. French MD	Powerful sweet balsamic, typical labdanum odor.
Citral	Powerful lemony fragrance.
Citralva	Powerful oily green lemony fresh odor.
Citronellal	Powerful fresh green citrusy, slight woody odor.
Citronellyl Formate	Powerful leafy green fruity rosy fresh and light of geranium rose.
Civet Abs. 394 BF	An extremely powerful obnoxious animal like fecal odor.
Clove Bud Abs.	An intensely warm powerful sweet clove spicy odor.
Clove De Girofle Resin Abs.	An extremely strong spicy, herbaceous odor.
Cognac White Oil	Powerful fruity wine like odor.
Cortex Aldehyde	Powerful green woody sap like, but fresh aldehydic sweet.
Cumin Oil	Extremely powerful diffusive green spicy, slightly fatty odor.
Cyclal - C	Powerful green leafy floral odor.
Cyclamen Aldehyde	Powerful green floral stem with pronounced cucumber, melon.
Cyclo Galbonate	Strong herbaceous green.
Delphone	Diffusive fruity floral odor of jasmin.
Delta Declactone	Sweet cream nut like odor with a heavy fruity undertone.
Delta Dodelactone	Fresh fruity oily odor of good tenacity.
Di Hydro Myrcenol	Powerful citrus lime cologne like odor.
Di Phenyl Menthane	Harsh geranium leaf orange blossom type odor more pleasant.
Diacetyl	Powerful butter type odor.
Di Hydro Anethol	Quite powerful less candy like sweet, herbaceous.
Di Hydro Linalool	Comparatively powerful fresh floral green.

D M B Carbinyl - Acetate	Fresh powerful fruity floral, slightly herbaceous odor jasmin lily.
Dimetol	Powerful lime cologne like odor similar to dihydromyrcenol.
Ethyl Butyrate	Ethereal fruity suggests banana, pineapple, very diffusive.
Ethyl Caproate	Diffusive fruity waxy odor suggests apple, banana, pineapple.
Ethyl Heptoate	Powerful fruity wine like used as top note in fresh citrus.
Ethyl Iso Valerate	Penetrating ethereal vinus fruity, dilution - apple like.
Ethyl 2 Methyl Butyrate	Diffusive green fruity reminiscent of apple, pineapple skins.
Ethyl Phenyl Acetate	Powerful sweet honey like.
Eucalyptus 80/85	Powerful pungent camphoraceous cool odor.
Eugenol	Powerful warm spicy balsamic.
Exaltolide	Musky somewhat animal, delicate animal musky sweet.
Farenal	Powerful intense aldehydic waxy like slightly floral.
Fir Needle Balsam Resin	A powerful diffusive pine forest type odor.
Fir Needle Siberian	Refreshing balsamic, slight fatty oily powerful pine forest odor.
Floralzone	Powerful fresh air tone reminiscent of ocean breezes.
Galaxolide 50	Powerful sweet and musk.
Gamma Hexalactone	Warm powerful herbaceous, sweet tobacco like, coumarin type.
Grapefruit Body Fleurom	Extremely powerful green grapefruit odor.
Guaicol	Powerful smoke like medicinal odor.
Hexyl N Butyrate	Powerful fruity heavy odor.
Hexyl Cyclo Pentanone # 405	Powerful, and diffusive dry floral green herbaceous odor.
Homo Cumminic Aldehyde 50	Powerful, diffusive green twiggy effect with cut grass hedge like.
Hyacinth Body	Powerful leafy green with hyacinth note.

Hydratropic Aldehyde	Penetrating green earthy foilage.
Hydratropic A D M Acetal	Powerful, earthy warm spicy green deep fruity odor.
Hyssop Oil	Powerful camphoraceous odor.
Indolarome	Diffusive, and powerful floral in extreme dilution.
Indole	Powerful choking odor in extreme dilution - more floral.
Ionone Alpha Regular	A very diffusive orris violet.
Iris Aldehyde	Extremely powerful and diffusive orisy odor.
Iso Amyl N Butyrate	Powerful diffusive fruity sweet apricot pineapple like odor.
Iso Butyl Acetate	Diffusive ethereal odor resembling rum.
Iso Butyl Phenyl Acetate	Diffusive leafy rosy musky.
Iso Cyclo Citral	Powerful and diffusive floral green.
Iso Butyl Quinolene	Earthy, mossy.
Iso Menthone	Powerful refreshing minty odor.
Iso Nonyl Alcohol	Powerful oily herbaceous, dilution - sweet odor.
Iso Propyl Alcohol	Alcoholic ethereal, acetone like odor.
Iso Propyl Quinoline	Powerful, yet tenacious earthy woody root like odor.
Iso Valeraldehyde	Very powerful penetrating acrid pungent odor.
Jasmonyl	Intensely sweet floral jasmin.
Labdanum Cists Sis Abs.	Powerful rich sweet balsamic herbaceous.
Lavandin Abs. In Color	Powerful camphoraceous herbaceous floral type odor.
Leaf Acetal Extra	Powerful oily green odor with a sweet vegetable undertone.
Leaf Acetate	Intensely green diffusive odor.
Leaf Alcohol	Intensely green grassy odor.

Leather 3768 - LWS	A powerful diffusive leather fragrance.
Lemonrone Lemonrone	Powerful lemon fragrance very chemical like.
Linalool Oxide	Sweet woody penetrating odor, floral waxy earthy undertones.
Maltol	Powerful warm fruity caramel sweet odor, fruity in dilution.
Mandarinal	A powerful fresh citrus aldehydic mandarin orange.
Maritima	Powerful clean fresh air tone reminiscent of ocean breezes.
Methyl Cinnamate	Powerful fruity balsamic like, on dilution - strawberry.
Methyl Cinnamic Aldehyde	Powerful sweet herbaceous, cinnamon, spicy, very powerful.
Methyl Jasmonate	Powerful herbaceous floral.
Methyl Octyl Ketone	Powerful citrusy orange.
Methyl Phenyl Acetate	Powerful and diffusive honey musk odor.
Mimosa Abs. Morocco	Powerful floral green.
Mint Fresh Abs.	Extremely strong intensely fresh mint odor.
Mousse De Chene Abs.	Powerful clean oakmoss odor.
Muguet Aldehyde 50	Diffusive green rosy sweet, muguet lily like.
2,6, Nonadienal # 332	Intense powerful vegetable green, reminiscent of violet leaves.
Octyl Formate	Powerful and relatively diffusive fruity green orris.
Orange Aldehyde	Powerful, dilution - sweet orange like, fatty odor.
Orange Flower Oil	Powerful light and refreshing floral.
Ortho Methyl Cinnamic Ald.	Powerful sweet herbaceous woody camphoraceous.
Oxaspirane	Powerful herbal minty camphoraceous.
Para Menthone	Minty, refreshing diffusive odor.
Para Methyl Quinoline	Powerful and penetrating, dilution - sweet floral and tobacco like.



Parmavert	Powerful floral green sweet and violet leaf like.
Phenyl Acetaldehyde	Powerful green woody sap like.
Phenyl Di Methyl Acetal	Powerful green earthy flower stem like odor.
Phenyl Ethyl Formate	Powerful green herbaceous rosy odor.
Phenyl Ethyl Methyl Ether	Powerful diffusive, dilution - jasmin tobacco like.
Phenyl Propyl Acetate	Fresh floral powerful fruity green.
Pipertone	Powerful fresh minty camphoraceous odor.
Polarose	Powerful fatty oily waxy rosy odor.
Reseda Body	Delicate, but powerful hyacinth, narcissus, reseda note.
Rhodinyl Formate	Fresh leafy green delicate.
Rosalva	Powerful fatty oily waxy rosy odor.
Sage Clary Dalmation	Warm, camphoraceous, thujone.
Scentenal	Powerful green refreshing watery floral odor.
Skatole	Powerful sweet warm, animal.
Strallyl Acetate	Powerful green floral.
Styrene Monomer	Extremely diffusive, sweet grassy in dilution.
Syringa Aldehyde	Powerful, and refreshing green fruity forest like sweet odor.
Thyme Oil Red	Rich sweet powerful, sweet warm herbaceous spicy.
Thyme Oil White	Sweeter than the red oil.
Thymol Crystals	Powerful sweet medicinal herbaceous warm.
Tobacco Abs.	A diffusive material reminiscent of fresh tobacco leaves.
Trans 2 Hexenyl Acetate	Powerful, and fresh green sweet fruity very natural odor.
Tree Moss Abs. C ' Less M.D.	A powerful mossy type odor which lasts days on the blotter.

2,3,5 Tri Methyl Pyrazine	Powerful fresh crushed nut like odor of chocolate.
Triplal	Powerful citrus green.
Undecavertol	Strong, however not over powering slightly green floral odor.
Valer N Aldehyde	Powerful penetrating diffusive acid pungent odor.
Vanilla Sur Abs. C ' Less	Powerful sweet vanilla extremely nice material.
Vetol Plus	Intensely sweet fruity bread like odor.
Verdox	Powerful fresh fruity woody apple like odor.
Verdyl Acetate	Powerful herbaceous, green fresh woody.
Walnut Leaf Oil	Powerful warm spicy sweet and rich tea like odor.
X I Aldehyde	Powerful hay melon ozone note, floral aspect.
Ylang Ylang Oil Extra	Floral and intensely sweet odor.

Musk, Animalic Fragrance Chemicals

Abalide	Sweet musk similar to tonalid.
Ambargris	A healing panacea made from large chunks of ambergris only when they are found by fisherman floating on the Atlantic Ocean. A scent so beautiful and popular in Morocco that it inspired John Singer Sargent to paint his famous La Furnee d'Ambergris.
Ambergris T Oliffac	A substitute for the traditional 3 % tincture of ambergris.
Ambrain	Labdanum musk.
Ambrette Ess. Beurre Lave	A delicate sweet musk fragrance.
Ambrette C	Sweet musk.
Ambrette XNM	Sweet, but heavy floral musky odor.
Ambrettex	Musk.
Ambrettolide	Floral musky sweet odor.
Ambrinol	Extremely powerful amber with natural somewhat musky.
A C A Di Methyl Acetal	Peculiar animal green odor.
Amyl Phenyl Acetate	Sweet musk animal odor.
Angelic Root Oil	Pleasantly aromatic a mixture of musk.
Animalic 9143	Animal.
Animalone	Musk.
Benzyl Phenyl Acetate	Mild sweet honey floral.

Castaulon	Warm, intense fatty hairy animal odor.
Castorium Hyper Abs.	Very powerful warm animal like scent.
Cashmeran	Diffusive musk.
Celestolid	Mild, and sweet musky odor.
Civet Abs. 394 BF	An extremely powerful obnoxious animal like fecal odor.
Civet AAB394	Fine substitute of the original absolute.
Civet AB422A	Excellent reconstitution long lasting.
Civet Abs. 394 BF	An extremely powerful obnoxious animal like fecal odor.
Civet Artificial I.A.	Lacks the characteristic softness which is found with powder.
Civet Artificial XBS	Obnoxiously strong fecal odor.
Civet Augaflor 6	Strong, long lasting civet-like specialty, unmistakably animal with a woody background. A good economical reproduction of the original and possesses good fixative properties. May be used to advantage in toiletries where the price of the natural material precludes use.
Civet Base # 1	A very sweet slightly cloying fecal odor of the abyssinian cat.
Civet Concentrate 50	Strong acidic animal, fecal tone invaluable in fine fragrances.
Civet Concrete	Musky odor extremely diffusive and tenacious.
Civet Ethiopia	A glandular secretion collected from primarily male cats. In small traces adds a velvety touch to many different fine bouquets.
Civet # 3 S - 788	A strong animal odor of the civet cat close to the natural oil.
Civet 170 BSA	Typical animal sweet musky odor reminiscent of the civet cat.
Civet Powder	Unquestionably animal fecal odor of the civet cat.
Civet Resin Abs.	Diffusive animal fecal like odor of the civet cat.
Civet Tincture	An odor reminiscent of the civet cat, fecal like.

Civet 241 Oliffac	Strong animal, fecal notes similar to natural civet, sensual.
Civettal	A liquid form which lacks the softness found with natural powder.
Civette Abs.	Animal sweet, free from fecal and urine notes.
Civette Artificial Abs.	Animal sweet.
Civette Givco 169	This Givco is a close reconstitution of civet absolute, which it can replace in equal amounts. It does not contain any animal extract. It adds diffusive warmth to fragrances and provides the distinctive effect produced by natural civet in floral-jasmin, amber, oriental, chypre, and tobacco accords.
Civette 170 BSA	Typical animal sweet odor of the civet cat.
Civettone	A ketone, active element in Abyssinian civet synthesized.
Copaiba Oil	Musk, milder sweeter almost creamy balsamic.
Cyclo Penta De Canolide	Musky somewhat animal.
Di Hydro Ambrettolide	Musky sweet odor of good tenacity.
Ethyl Phenyl Acetate	Powerful sweet honey like.
Ethylene Brassylate	Sweet musk warm and powdery.
Exaltolide	Delicately animal.
Exaltex	Musk.
Fixolid	Sweet wody musky.
Galaxolide 50	Powerful sweet and musky.
Geranyl Phenyl Acetate	Soft floral honey rose like.
Grisalva	Ambergris.
Horsey Dis	An animal amber complex.
Indoflor Crystals	Distinct civet like slightly obnoxious animal odor.
Iso Butyl Phenyl Acetate	Powerful leafy rosy musky fragrance.

Labdanum Abs.	A sweet herbaceous recalling ambergris, slightly animal.
Methyl Phenyl Acetate	Powerful and diffusive honey musk odor.
Monofax	Musk.
Moskene	Musky sweet odor.
Muscambre 66.130	A musky animal odor.
Muscenone	Musk.
Muscomer Extra 810P	An animal musk slightly sweet odor.
Muscone	Musk.
Musk Booster 8-2-3 # DB10253	Musk.
Musk C - 14	Musk, sweet.
Musk C - 14 Supra	Musk, sweet.
Musk 144	Sweet musk.
Musk Abs. C ' Less	An animal musky odor powerful and intense.
Musk Alpha	A weak animal note, not very sweet.
Musk Ambrette	Sweet, but yet heavy floral musky odor.
Musk Emeressence	Sweet musk.
Musk Ketone	Sweet and very tenacious musky odor.
Musk KN	Musk.
Musk T	Musk, sweet.
Musk T Supra	Musky, fatty.
Musk Tibetine	Delicately sweet musky, mildly animal like.
Musk TM II	Sweet tenacious musk like.
Muskylein	Sweet musk.

Musk Xylol	Sweet musk tenacious odor rather harsh.
Nepalva	Sweet musky odor.
Oxahexalid	Sweet tenacious musk with an ambrette note.
Oxalide T	Sweet, soft extremely animal musky odor.
Oxalide T Supra	An isomeric sweet musk mixture.
Phantolid	Sweet, musky somewhat animal odor.
Phenyl Acetic Acid	Sweet honey animalic type odor.
Phenylal	A very sweet honey animal odor.
Phenyl Ethyl Acetate	Very sweet, rosy fruity honey like odor.
Phenyl Ethyl Alcohol	Mild and warm rose honey like odor.
Polafix	Sweet, woody musky odor.
Polaride	Sweet and musky odor.
Skatole	Powerful sweet warm animal.
Tetralide	Musky powdery floral.
Tonalid	Sweet woody musky.
Tonalix 50	Strong radiant musk.
Tonquitone	Musk.
Traseolide 100	Sweet musk.
Triflaige - A	Tropical, fruity, floral, musk-like.

## Woody Fragrance Chemicals

Abalyn	A weak piney woody odor.
Allyl Ionone	Oily sweet slight flowery, but also fruity woody bark like green.
Aloe Vera Lupo Quinon Extract	An extremely fine delicate ambergris sandalwood odor.
Alpha Pinene	Warm resinous, refreshing coniferious like.
Ambergris T Oliffac	Amber
Amphermate	Woody.
Amyris Acetate	Woody slightly sweet dry, fresh.
Amyris Oil W.I.	Faintly woody not dry.
Bacdanol	Powerful sandalwood note.
Beachwood Cresote	Powerful and penetrating resembling that of smoked wood.
Benteine	A woody odor.
Beta Pinene	Dry, woody resinous piney.
Birch Leaf Oil	Pleasant woody green balsamic odor.
Birch Tar Oil	A phenolic tarry woody smoky leathery, diffusive material.
Brahmanol	A light sweet odor of sandalwood.
Cabreuva Oil	Sweet woody very delicate slightly floral.
Cade Oil	Intense tar like smoky phenolic odor.
Cadinene	Mild, dry woody slightly medicinal tarry odor.



Calamus	Warm, woody spicy and pleasant odor.
Cedarwood Alcohol	A woody cedar type odor, a bit harsh.
Cedarwood Oil Terpeneless	Stronger woody cedar odor free from terpenes.
Cedarwood Oil Texas Crude	Pleasant sweet woody somewhat tar like odor.
Cedarwood Oil Virginia	Oily woody almost sweet mild pleasant, cedar chest like odor.
Cedramber	Refined woody, pleasantly green odor.
Cedrene	Woody, camphoraceous, somewhat dry green odor.
Cedrenol	Mild woody odor less dry more balsamic than cedrene.
Cedrol Crystals	Very faint odor of cedarwood type.
Cedrenyl Acetate	Faint fresh woody odor.
Cedryl Acetate	Woody slight leathery.
Citronella Oil Ceylon	Peculiar warm woody yet fresh grassy odor of wet leaves.
Cortex Aldehyde	Powerful green woody sap like, but fresh aldehydic sweet.
Costus Oil	Peculiar soft tenacious, reminiscent of old precious wood.
Cubeb Oil	Dry woody, but simultaneously warm camphoraceous spicy.
Cypress Oil	Pleasing smoky woody similar to amber.
Di Hydro Cuminy Alcohol	Warm, herbaceous slightly woody oily odor.
Fir Needle Balsam Resin	A powerful diffusive pine forest type odor.
Fir Needle Canadian	Rich balsamic sweet, and pleasant oily pinaceous fragrance.
Fir Needle Siberian	Refreshing balsamic, slight fatty oily with Pw pine forest odor.
Fixolide	Sweet woody musky.
Fleuroxene	A strong green floral woody non descript odor.
Ginger Oil	Sweet fresh woody spicy.

Guaicol	Powerful smoke like medicinal odor.
Guaicwood Acetate	Soft warm delicately sweet rosy woody odor.
Gurjan Balsam Oil	Mildly woody balsamic sweet odor.
Heptavert	A green woody odor.
Ionone Beta	More fruity, and woody like than alpha.
Iraldeine Beta	Woody warm odor.
Iris Resin	Deep sweet slightly woody tobacco like.
Iso Cyclomene E	Woody amber.
Iso E Super	Woody amber.
Iso Longifolanone	Fresh woody raw amber.
Iso Methyl Cedryl Ketone A	A fine sandalwood cedar complex quite natural.
Kephalis LRG - 1182	Woody amber complex.
Koavone	Woody floral complex with amber violet note.
Kohinool	A fine woody amber dry out.
Linalool Oxide	Powerful sweet woody floral.
Menthanyl Acetate	Fresh piney citrusy somewhat herbaceous.
Menthol Racemic	Similar to above more woody less sweet.
Merion	A diffusive oriental woody complex.
Methyl Ionone Beta	Woody warm odor.
Methyl Ionone Beta Coeur	Purer grade more woody, and warm.
Methyl Ionone Gamma A	A floral violet woody isomeric mixture.
Methyl I G Supreme	Floral woody fruity complex.
Methyl Ionone Tails	A harsh woody solvent masking odor.

Methyl Ionone Terpenes	Harsh woody solvent masking fragrance.
Mousse De Chenne Abs.	Powerful clean oakmoss odor.
Mousse De Metra	Powder form of oakmoss.
Moussyl 1055	A mossy balsamic type odor almost woody like very dry.
Nerolidyl Acetate	Sweet woody and mildly refreshing green.
Nopol	Mild woody camphoraceous odor.
Nopyl Acetate	Sweet woody fruity odor.
Norsdandyl 81157	A fine woody complex.
Orivone	Very diffusive woody camphoraceous odor.
Ortho Methyl Cinnamic Ald.	Powerful sweet herbaceous woody camphoraceous.
Osyrol	Sandalwoody flowery woody note.
Parsley Seed Oil	Warm woody sweet spicy.
Patchone	Extremely dry woody camphoraceous.
Patchouli Dark	Extremely rich sweet herbaceous aromatic spicy woody.
Petitgrainol	Intensely woody neroli note.
Phenyl Acetaldehyde	Powerful green wood sap like.
Pine Oil Yarmor # 302	Fresh, harsh pine type.
Polarsan	Sandalwood.
Rosemary Oil	Woody herbaceous, reminiscent of spike lavender oil.
Rose Nitrile	Rich rose geranium woody iris.
Sandalore	Sandalwood amyris woody type odor.
Sandela	Sandalwood.
Sandalwood Essence	Captures the sweetness and heart of sandalwood very nice.

Sandalwood 77.125B	Has the dry slightly sweet balsamic odor of amyris oil W.I.
Sandalwood Oil East Indies	Extremely soft sweet woody almost animal balsamic.
Sandalwood Oil Australian	Soft woody extremely tenacious and somewhat balsamic.
Sandranol	Woody, and extremely fine sandalwood compound last days.
Santalum Citrinum	Very pleasant sweet woody odor reminiscent of sandalwood.
Thiazyl	Dry woody and Eau De Grouts character.
Tree Moss Abs.	A strong at the same time persistent moss odor.
Trimofix	Amber woody note with vetivert and smoky tobacco nuances.
Turpentine SDW	A woody solvent which is steam distilled.
Unipine 85	Fresh pine.
Unipine 90	Fresh pine.
Unitene D	Piney lemony type odor.
Valanone B	Warm woody odor.
Vanoris	Woody fruity, soft refreshing odor of mild orris type.
Vertenex	Sweet, animal creamy woody odor with a soft floral undertone.
Vertofix	Woody.
Vetivert Oil Bourbon	Woody, finest grade of vetivert oil.
Woodine	Woody.

## Spice Fragrance Chemicals

93

Acetate Eugenol	Sweet spicy carnation.
Acetate Iso Eugenol	Balsamic, warm faintly spicy.
Bay Oil West Indies	Powerful spicy and sweet.
Bisabolene	Warm spicy balsamic.
Caraway Oil	Intense and spicy.
Cardamon Oil	Spicy balsamic odor.
Cardamon Abs.	Strong warm spicy aromatic.
Cardamone Oil D - 1204	Sweet, spicy piney woody camphoraceous.
Caryophelline Beta	Woody spicy dry and tenacious.
Cassia Oil	Intense cinnamon like.
Cassie Abs.	Powerful strong spicy floral odor.
Cassie Abs. Syn 17.620	Warm powdery spicy and at same time herbaceous odor.
Celery Seed Oil	Spicy warm sweet, and rich soup like odor.
Cinnamalva	Powerful warm spicy oily slight floral.
Cinnamic Aldehyde	Warm spicy balsamic odor suggestive of cassia, cinnamon.
C A Di Methyl Acetal	Warm spicy, balsamic odor, cinnamon like.
Cinnamon Leaf Oil	Warm spicy rather harsh, lacks rich body of bark oil.
CIS Jasmone	Diffusive, warm spicy fruity, dilution - floral.

Clove Bud Abs.	An intensely warm powerful sweet clove spicy odor.
Clove Bud Oil	Warm, sweet clove odor.
Clove Critical	Sweet, clean clove spicy.
Clove De Girofle Resin Abs.	An extremely strong spicy, and herbaceous odor.
Clove Leaf Decolorized Oil	Has a typical clove odour.
Clove Leaf Oil	Harsh, woody and dry spicy odor.
Clove Stem Oil	Strong spicy somewhat woody, but quite pleasant odor.
Clove Terpenes Oil	Warm sweet spicy strong, typical clove odor.
Coriander Oil	Pleasant sweet somewhat woody spicy aromatic candy like.
Coriander Essence Max	A pungent spicy aromatic odor of coriander oil.
Coriander Oil Russian	Spicy and aromatic, very nice.
Coumarin	Sweet, warm, herbaceous, slightly spicy, dilution - hay like.
Coumarin Sub # 772A	Almost oppressively cloying, more vanilla than herbaceous.
Cubeb Oil	Dry woody, but simultaneously warm camphoraceous spicy.
Cumin Oil	Extremely powerful diffusive green spicy, slightly fatty odor.
Curruma Oil	Spicy and fresh Rem of sweet orange, ginger & galganga oil.
Cyclotene	Sweet and very powerful, caramellic spicy odor, walnut mapple.
Dianthanol	A spicy carnation floral rose compound.
Di Hydro Iso Eugenol	Warm spicy sweet slight floral balsamic odor.
Elemi	Terpene, peppery lemon dilweed.
Eugenol	Powerful warm spicy balsamic.
Eugenol Acetate	Mild and sweet spicy balsamic.
Fennel Oil Bitter	Sharp peppery, camphoraceous.

Fennel Oil Sweet	Sweet peppery, spicy.
Flove Oil	Intensely sweet, coumarin hay like heavy herbaceous odor.
Ginger Oil	Warm fresh woody, spicy odor.
Heliotropine	Sweet warm floral, slightly spicy, dilution - cherry pie.
Iso Eugenol	Mild and sweet deep floral carnation like.
Iso Eugenol # 6504	A sweet spicy warm floral odor of carnation very nice.
Iso Eugenol Ethyl Acetal	Spicy floral carnation like softer.
Methyl Amyl Ketone	Penetrating fruity spicy light odor.
Methyl Benzaldehyde	Warm mildly floral sweet spicy odor of benzaldehyde.
Methyl Cinnamic Aldehyde	Powerful sweet herbaceous cinnamon spicy.
Methyl Eugenol	Peculiar musty tea like, warm mildly spicy.
Methyl Iso Eugenol	Sweet and warm mild floral tea like slightly spicy.
Myrr Essence	Warm balsamic, sweet somewhat spicy.
Myrr Oil	Warm spicy.
Myrr Resinoid	Intensely warm deep spicy.
Myrtle Oil Rectified, Tunisia	Distinct, spicy and camphoraceous.
Nutmeg Oil	Fresh warm spicy.
Olibanol	Highly balsamic and spicy.
Opoponax Oil	Possesses and intensely sweet balsamic spicy.
Opoponax Resinoid	Sweet aromatic reminiscent of spicy soups.
Orange Des Indes 68A817	A nice clean fresh orange odor with a discreet spicy note.
Pepper Oil Black	Fresh dry, woody warm spicy odor resembles dried pepper.
Pimento Berries Oil	Warm, spicy sweet odor.

Pimento Leaf Oil	Dry, woody warm spicy aromatic odor reminiscent of clove leaf.
Terpinyl Acetate	Herbaceous sweet, refreshing spicy.
Thyme Oil Red	Rich sweet powerful, sweet warm herbaceous spicy.
Thyme Oil White	Sweeter than red oil.
Thymol Crystals.	Powerful sweet medicinal herbaceous warm spicy.
Tonka Beans Abs.	Sweet herbaceous slightly spicy.
Tonkarinol	Rich sweet warm distinctly coumarin.



Ethereal, Winey, Liquor Fragrance Chemicals

97

Aldehyde C - 7	Powerful oily fermenting fruity odor.
Amyl Butyrate	Strong ethereal fruity odor.
Amyl Iso Valerate	Fruity ethereal heavy apple like odor.
Camphor Powder	Warm, minty almost ethereal diffusive.
CIS 3 Hexenyl Butyrate	Powerful fruity winey green cognac brandy like.
Citroflex 2	Mild sweet winey fruity plum like odor.
Cognac White Odor	Powerful fruity wine like odor.
Ethyl Acetate	Pleasant ethereal fruity brandy like.
Ethyl Aceto Acetate	Sweet ethereal rum like odor.
Ethyl Alcohol	Sweet ethereal and mild.
Ethyl Butyrate	Powerful ethereal fruity.
Ethyl Caproate	Powerful diffusive fruity winey.
Ethyl Caprylate	Fruity winey, and sweet reminiscent of apricot and pineapple.
Ethyl Decylate	Sweet oily nut like rich wine yeast like background.
Ethyl Heptoate	Powerful fruity wine like brandy, berry.
Ethyl Iso Valerate	Powerful penetrating ethereal apple vine fruity.
Ethyl Oentate	Cognac oil
Ethyl Propionate	Ethereal fruity rum like.

Fructose	Pleasant warm fruity winey sweet odor.
Iso Butyl Acetate	Ethereal odor resembles rum.
Melon Cucumber	Cucumber melon not sweet or overly melon with ethereal note.
Melon FG	A heavy fruity very blah ethereal melon odor.

Earth, Honey, Nut like Fragrance Chemicals

99

Amyl Phenyl Acetate	Sweet musk animal odor.
Amyl Vinyl Carbinol	Powerful sweet earthy, almost buttery fungus.
Benzaldehyde	Mild sweet honey floral odor.
Cedryl Acetate	Woody slight leathery with earthy undertones.
Delta Decalactone	Powerful and tenacious sweet creamy nut like odor.
Di Methyl Hydro Quinone	Warm herbaceous, nut tobacco like.
Earth	Distinct odor of decaying leaves, and other plant materials in a warm base that is different yet familiar.
Ethyl Cinnimate	Sweet balsamic, fruity honey like.
Ethyl Decylate	Sweet oily nut like rich wine yeast like background.
Ethyl Pelargonate	Slight fatty oily, fruity nut like.
Ethyl Phenyl Acetate	Powerful sweet honey like.
Gamma Hexalactone	Powerful herbaceous sweet tobacco like.
Geranyl Phenyl Acetate	Soft floral honey rose like.
Hydratropic Aldehyde	Powerful penetrating green earthy foilage.
Iso Butyl Quinoline	Powerful earthy tarry mossy tobacco odor.
Iso Propyl Quinoline	Pw, yet tenacious earthy woody root like, dil - earthy spicy.
Linalool Oxide	Powerful sweet woody penetrating odor, floral woody earthy.

Methyl Eugenol	Peculiar musty tea like warm mildly earthy tenacious odor.
Methyl Ionone Gamma Rep.	Woody floral complex, tobacco undertones.
Methyl Phenyl Acetate	Powerful and diffusive honey musk odor.
Para Methyl Quinoline	Powerful and penetrating, dilution - sweet floral and tobacco like.
Pelargonic Acid	Mildly nut like fatty odor.
Phenyl Acetic Acid	Sweet honey animalic type odor.
Phenylal	A very sweet honey animal odor.
Phenyl Di Methyl Acetal	Powerful green earthy flower stem like odor.
Phenyl Ethyl Acetate	Very sweet, rosy fruity honey like odor.
Phenyl Ethyl Alcohol	Mild and warm rose honey like odor.
Phenyl Ethyl Methyl Ether	Powerful diffusive, dilution - jasmin tobacco like.
Phenyl Ethyl Phenyl Acetate	Honey like.
Phenoxy Ethyl Iso Butyrate	Sweet, fruity rosy floral honey like.
Picomate	Diffusive, woody earthy, tobacco note with patchouli nuance.
Piconia	A dry diffusive, woody, earthy, patchouli note.
Tepyl Acetate	Oily herbaceous floral and sweet earthy odor.
Tobacco Abs.	A diffusive material reminiscent of fresh tobacco leaves.
Terasoil	Earthy, fresh soil odor, diffusive enhances woody fragrances.
Vetiver Bourbon	Woody earthy character.
Vetiverol	Warm sweet, mildly earthy balsamic and extremely tenacious.

## Moss Fragrance Chemicals

101

Moss AB311	Powerful, decolorized moss.
Moss AB311D	Contains more colour stable mosses.
Moss Oliffac	Very tenacious oak moss odor as found growing on your forest tree. Free from coloring problems.
Mousse B Resin Abs.	Oakmoss.
Mousse B Solide Resinoid	Oakmoss.
Mousse C Savon Resinoid	Oakmoss.
Mousse De Arbe Abs.	Woody dry forest like, or seaweed like, herbaceous green.
Mousse De Arbe Resinoid	Treemoss.
Mousse De Cevennes	Oakmoss.
Mousse De Chene	Oakmoss.
Mousse De Chene Abs.	Powerful clean oakmoss odor.
Mousse De Chene Abs.	Oakmoss.
Mousse De Chene Abs. Moroc	Oakmoss.
Mousse De Chene Abs. Yugo	Oakmoss.
Mousse De Chene Morocco	Very tenacious oakmoss odor.
Mousse De Mer FM1062	Effervescent, fresh, sea moss, interesting whiskey and ginger note.
Mousse De Metra	Powder form of oakmoss.

Mousse Essence Abs.	Typical treemoss odor.
Mousse 27/30	Oakmoss.
Moussyl 1055	A mossy balsamic type odor almost wood like very dry.
Tree Moss Abs.	A strong and at the same time persistent moss odor.
Tree Moss Abs. C ' Less M.D.	A powerful mossy type odor which lasts days on the blotter.
Tree Moss C ' Less L.C.	A diffusive tree moss woody odor.

## Leather Fragrance Chemicals

103

Birch Tar Oil	Powerful phenolic, tarry woody smoky, leathery.
Birch Tar Oil Distilled	A tenacious woody smoky leathery quite diffusive.
Birch Tar Oil Rectified	A phenolic tarry woody smoky leathery, diffusive material.
Cade Oil	Intense tar like smoky phenolic odor.
Castoreum Abs.	Warm animal leather like sweet odor.
Castorium Abs. C ' Less	Strong and warm resembles birch tar oil, leather like.
Castoreum Abs. 50 BB	Rich animal leather note extracted from beaver castors.
Castoreum Givco 116	Castoreum Givco is a reconstitution of the natural oil, which it can replace in equal amounts. This reconstitution contains only synthetic ingredients and plant-based naturals. It reflects all the typical warm, animal, leather-like notes and is a highly interesting note for use in chypre, tobacco, leather and fougère types.
Castoreum Hyper Abs.	Very powerful warm animal like scent.
Castoreum Oliffac	An economical consistent quality substitute for castoreum.
Castoreum 172 SA	Warm, animal, leather like sweet odor with distinct smoky note.
Castoreum Resin	Strong and warm resembling birch tar oil.
Castoreum Resin Synthetic	Excellent reproduction of the natural material.
Castoreum Resinoid	Strong and warm leather like sweet odor of the beaver.
Castoreum Tincture	A alcoholic prepared extract of the castoreum beaver quite characteristic of the natural product.

Castorium Synthetic 172 SAB	A very strong sweet animal odor typical of the beaver.
Castorium 10 " Pauls "	Tenacious and warm birch tar like phenolic.
Castorium Tincture	Warm animal leather like sweet odor.
Cedrafix	Woody, cedar, leather.
Cedryl Acetate	Woody slight leathery with earthy undertone resembles vetiver.
Di Isopropyl Phenol (DIP)	Has a faint hydrocarbon phenolic type odor.
Hydrocarbon Resin S B	Balsamic leather.
Iso Butyl Quinoline	Used in chypre, leather and woody compositions. It is widely used in masculine colognes where its vibrant, intense leather character can be used to great advantage. Powerful and long lasting.
Leather Base FM1064	Fine leather goods, woody, animalic undertones.
Leather Base FM1064B	More economical quality less costly than Leather Base FM1064.
Leather 3768 - LWS	A powerful diffusive leather fragrance.
Suederal HT	Concentrated true leather odor reminiscent of finest tanned hides.
Suederal LT	Leather odor reminiscent of finest tanned hides with a lighter note.
2, 6, Xylenol	Sweet rooty odor of leather.



Amber Fragrance Chemicals

105

Ambafix AB549	Musky, tobacco, animalic fixative base, amber.
Amber AB472	Warm, sweet slightly animalic, amber.
Amberlyx AB2000	Powerful, rich amber base.
Amberwood ABQ5583	Woody, amber complex.
Amborate	Delicate woody amber character.
Amboryl Acetate	Woody, with a delicate tenacious woody amber character.
Ambrasol AB455	Cost effective, animalic, amber base.
Ambre 140 BSA	Very powerful amber and woody note.
Ambrox D - L Coeur	Very faint amber odor.
Ambrox 10 %	Powerful and elegant amber note with discreet rich woodiness.

## Tobacco Fragrance Chemicals

106

Ambafix AB549	Musky, tobacco, animalic fixative base, amber.
Cade Oil	Intense tar like smoky phenolic odor.
Frescolat	Faint minty somewhat reminiscent of tobacco and camomile.
Gamma Hexalactone	Warm powerful herbaceous sweet, tobacco like.
Methyl Ionone Alpha Iso	Precious wood tobacco, creamy violet.
Styrax Coeur	Tobacco, dewy, resinous balsamic.
Tabac Balkan Dec. Abs.	Strong almost repulsive faintly reminiscent of cigar tobacco.
Tabac Noir Abs.	Warm aromatic intense odour of tobacco.
Tabanon	Warm, dry sweet tobacco like with good fixation.
Tetra Hydro Para Methyl Quinoline	Is frequently used in traces for artificial civet bases and in heavy oriental compositions. It produces honey, tobacco and animal notes also giving excellent fixation.
The/Res Inc ( Tea ) Resinoid	Warm and reminiscent of tobacco.
Tobacarol	Woody, amber, spicy tobacco.
Tobacco Abs.	A diffusive material reminiscent of fresh tobacco leaves.

American Society of Perfumers Classification of Olfactory Notes

107

ESSENTIAL OILS

Rosy Note:

Geranium  
Otto Rose  
Palmarosa  
Rose Abs.

Spicy Note:

Bay Leaf  
Caraway  
Cardamon  
Carrot Seed  
Cascarilla  
Cassia  
Celery  
Cinnamon Bark  
Clove  
Coriander  
Cumin  
Ginger  
Mace  
Marjoram  
Nutmeg  
Parsley  
Pepper  
Pimento  
Shiso  
Thyme

Tobacco Note:

Tabbacco Abs.

Woody Note:

Amyris  
Cedarwood  
Guaiacwood  
Oakmoss  
Patchouly  
Sandalwood  
Treemoss  
Vetiver

Miscellaneous Note:

Abies  
Calamus  
Citronella  
Cognac or Winelees  
Davana  
Ho Leaf  
Hop  
Mate Abs.  
Rosewood  
Rue  
Spikenard  
Tagetes  
Tansy  
Tea Abs.  
Turpentine  
Valerian

Green & Fruity Note:

Blackcurrant Buds Abs.  
Galbanum

Herbal & Aromatic Note:

Chamomile Blue  
Chamomile Roman  
Costus  
Hay  
Hyssop  
Laurel Leaf  
Lavandin  
Lavender  
Myrtle  
Origanum  
Rosemary  
Sage  
Spike Lavender  
Star Anis

Honey Note:

Beeswax Abs.  
Honey Abs.  
Liatrix Abs.

Leather Note:

Birth Tar Rectified  
Cade

Lemon Note:	Angerica Root	Tangerine
Lemongrass	Angerica Seed	Coniferous Note:
Litsea Cubeba	Cistus - Labdanum	Armoise
Mandarin	Costus	Cedar Leaf
Melissa	Clary Sage	Cypress
Verbena	Anise Note:	Fir Balsam Abs.
Marine Note:	Anise	Juniperberry
Seaweed	Basil	Pine
Juniperberry	Bitter Fennel	Floral Note:
Medicinal Note:	Sweet Fennel	Boronia Abs.
Bitter Almond	Star Anise	Broom Abs.
Buchu Leaf	Taraggon	Cananga
Cajuput	Balsamic Note:	Carnation Abs.
Camphor	Benzoin	Cassie Abs.
Cassie Abs.	Copaiba Balsam	Champaca Abs.
Eucalyptus	Liatrix Abs.	Everlasting Flower Abs.
Wintergreen	Mastic Abs.	Hyacinth Abs.
Minty Note:	Melilot Abs.	Jasmin Abs.
Pennyroyal	Peru Balsam	Jonquil Abs.
Peppermint	Tolu Balsam	Karo - Karounde Abs.
Spearmint	Vanilla	Longoza Abs.
Resinous Note:	Bitter Orange Note:	Marigold Abs.
Elemi	Neroli	Mimoza Abs.
Myrrh	Orange Flower Abs.	Narcissus Abs.
Olibanum	Petitgrain ( From Bergamot )	Orris Concrete
Opoponax	Petitgrain ( From Lemon )	Osmanthus Abs.
Styrax	Petitgrain ( From Mandarin )	Reseda Abs.
Animal Note:	Citrus Note:	Tuberose Abs.
Ambergris	Bergamot	Violet Leaf Abs.
Castreum	Bitter Orange	Ylang Ylang
Civet	Grapefruit	Powdery Note:
Musk	Lemon	Coumarin
Ambrette seed	Lime	Ethyl Maltol
	Mandarin	Ethyl Vanillin
	Sweet Orange	Heliotropin
		Maltol
		Vanillin

## AROMATIC MATERIALS

## Rose Note:

Citronellol  
 Damascenones  
 Damascones  
 Di Methyl Benzyl Carbinyl Acetate  
 Dimethyl Octanol  
 Di Phenyl Methane  
 Di Phenyl Oxide  
 Geraniol  
 Geranyl Acetate  
 Geranyl Benzoate  
 Geranyl Butyrate  
 Geranyl Formate  
 Nerol  
 Phenoxaflor  
 Phenoxanol  
 Phenyl Ethyl Acetate  
 Phenyl Ethyl Alcohol  
 Phenyl Ethyl Iso Butyrate  
 Phenyl Ethyl Phenyl Acetate  
 Phenyl Ethyl Salicylate  
 Rhodinol  
 Rhodiny Acetate  
 Rose Oxide  
 Tri Chloro Methyl Phenyl  
 Carbinyl Acetate

## Spicy Note:

Acetyl Eugenol  
 Acetyl Iso Eugenol  
 Benzyl Iso Eugenol  
 Cinnamic Aldehyde  
 Cinnamionitrile  
 Cinnamic Aldehyde  
 Eugenol  
 Iso Eugenol  
 Methyl Eugenol  
 Methyl Iso Eugenol

---

## Woody Note:

Bois Ambrene Forte  
 Cedramber  
 Cedrol  
 Cedryl Acetate  
 Guaiyl Acetate  
 Ionones  
 Iso E Super  
 Kephalis  
 Madrox  
 Methyl Ionones  
 Nopyl Acetate  
 Oakmoss Synthetic  
 Sandalwood Synthetic  
 Santalol  
 Santalyl Acetate  
 Vertenex  
 Vertofix Coeur  
 Vetiverol  
 Vetiveryl Acetate

## Solvent:

Benzyl Benzoate  
 Carbitol  
 Di Ethyl Phthalate (DEP)  
 Di Propylene Glycol (DPG)  
 Ethyl Alcohol  
 Propylene Glycol  
 Triethyl Citrate

## Green Note:

Bromstyrol  
 Gricerin Acetal  
 cis-3-Hexenol  
 cis-3-Hexenyl Acetate  
 cis-3-Hexenyl Benzoate  
 cis-3-Hexenyl Salicylate  
 Hyacinth  
 Hydratropic Aldehyde  
 Ligustral  
 Methyl Heptin Carbonate

Methyl Octin Carbonate  
 2,6-Nonadienal  
 2,6-Nonadienol  
 Phenyl Acetaldehyde  
 Phenylacetaldehydedimethylacetal  
 Phenyl Ethyl Di Methyl Carbinol  
 Phenyl Propyl Alcohol  
 Phenyl Propyl Aldehyde  
 Stemone  
 Styrallyl Acetate

## Honey Note:

Benzyl Phenyl Acetate  
 Ethyl Phenyl Acetate  
 Eugenyl Phenyl Acetate  
 Linalyl Phenyl Acetate  
 Methyl Phenyl Acetate  
 Phenyl Acetic Acid

## Jasmin Note:

Alpha-Amyl Cinnamic Aldehyde  
 Benzyl Acetate  
 Benzyl Alcohol  
 Benzyl Formate  
 Benzyl Propionate  
 Benzyl Salicylate  
 Fleuramone  
 Gelsone  
 Jasminal  
 Jasmin Lactone  
 cis-Jasmone  
 Jessemal  
 Methyl Dihydro Jasmonate  
 Methyl Jasmonate

## Lavender Note:

Camphor  
 Di Methyl Hydro Quinone  
 Methyl Amyl Ketone  
 Terpinyl Acetate

---

## Marine Note:

Calone

## Medicinal Note:

Benzaldehyde

Methyl Salicylate

## Minty Note:

(d-) Carvone

(l-) Carvone

l-Menthol

l-Menthyl Acetate

## Musk Note:

Ambrettolide

Cashmeran

Cyclopentadecanolide

Ethylene Brassylate

Galaxolide

Musk DTI

Musk Ketone

Tonalide

## Narcissus Note:

p-Cresyl Acetate

p-Cresyl Phenyl Acetate

## Aldehydic Note:

Adoxal

Aldehyde C - 8

Aldehyde C - 9

Aldehyde C - 10

Aldehyde C - 11 Undecyl

Aldehyde C - 11 Undecylene

Aldehyde C - 11 MOA

Aldehyde C - 12 Lauryl

Aldehyde C - 12 MNA

## Animal Note:

Ambrox

Grisalva

Indole

Iso Butyl Quinoline

Iso Propyl Quinoline

p-Methyl Quinoline

Skatol

Tetrahydro

## Anise Note:

Anethole

Anisic Alcohol

Anisyl Acetate

Anisyl Formate

Estragole

Ethyl Salicylate

## Balsamic Note:

Amyl Benzoate

Amyl Salicylate

Cinnamyl Acetate

Cinnamic Alcohol

Ethyl Cinnamate

Iso Butyl Salicylate

Linalyl Cinnamate

Methyl Cinnamate

Phenyl Propyl Acetate

## Bitter Orange Note:

Aurantiol

Di Methyl Anthranilate

Ethyl Anthranilate

Linalyl Benzoate

Methyl Anthranilate

beta-Methyl Naphthyl Ketone

beta-Naphthyl Ethyl Ether

beta-Naphthyl Methyl Ether

## Citrus Note:

Citral

Citronellal

Citronellyl Acetate

Dihydro Myrcenol

Gerano Nitrile

d-Limonene

Linalyl Acetate

Myrac Aldehyde

Myrcenyl Acetate

## Coniferous Note:

Borneol

Bornyl Acetate

Iso Bornyl Acetate

## Floral Note:

alpha-Anisyl Propanal

Cyclamen Aldehyde

Di Methyl Benzyl Carbinol

Ethyl Linalool

Helional

Hexyl Cinnamic Aldehyde

Hydratropic Alcohol

Hydroxycitronellal

Irene

Lilial

Linalool

Lylal

Majantol

Mayol

p-Methyl Acetophenone

Methyl Benzoate

Piperonyl Acetone

Terpineol

Tetra Hydro Mugenol

## Fruity Note:

Aldehyde C - 14

Aldehyde C - 16

Aldehyde C - 18  
Allyl Amyl Glycolate  
Allyl Cyclogalbanate  
Allyl Ionone  
Amyl Acetate  
Cyclogalbanate  
Ethyl Acetate  
Fructose  
Gamma-Decalactone  
Hexyl Acetate  
Oxyphenylon  
Trans-2-Hexenal  
Verdox

Biolands Parfumerie Odor Classification

112

Essential Oils	Rosemary	Moss From
	Thyme	
Flowers or Flowering Heads	Berries, buds	Cedar
Chamomile		Fucus
Hyssop	Blackcurrant	Oak
Jasmine	Clove	Pine
Lavandin	Juniper	Roots
Lavender	Pepper	
Mimosa		Lovage
Orange Flower	Pods, seeds	Orris
Rose		Vetiver
Sage	Ambrette	
Ylang	Carrot	
	Parsley	
Leaves, needles	Tonka Beans	
	Vanilla	
Boldo		
Fir Balsam	Resins	
Geranium		
Maté	Benzoin	
Patchouli	Elemi	
Tobacco	Galbanum	
Violet	Labdanum	
	Mastic	
Wood, branches	Myrrh	
	Olibanum	
Armoise	Opoponax	
Cistus	Peru	
Cypress	Styrax	
Eucalyptus		
Juniper	Lichens, algae	
Laurel		
Lentisque		



Prodarom s Training Manual for Student Perfumer s

113

Main Group of Raw Materials

Essential Oils

Expressed Oils

Concretes

Absolutes

Resins

Tinctures

Infusions

Main Olfactory Groups

Citrus: bergamot, lime, mandarin, orange, grapefruit, lemon, neroli, petitgrain.

Rustic: spike, lavender, lavandin, rosewood, rosemary, sage.

Wooded: amyris, cedar wood, guaiacwood, patchouli, sandalwood, vetiver.

Camphoraceous: thyme, rosemary, eucalyptus, armoise, angelica, myrtle.

Spicy: bay, cinnamon, clove, nutmeg, cardamom.

Aniseed: anise, star anise, basil, tarragon, fennel, dill.

Rose: roses, geraniums.

Floral: rose, jasmin, gardenia, muguet, lily, carnation, violet, hyacinth, iris, lilac, geranium, ylang.

Jasmine: jasmine, ylang-ylang.

Amber: amber, cistus, cypress, ambrette seed.

Earthy: oak and tree muss, liquorice.

Animal: musk, civet, castoreum.

Vanilla: vanilla, benzoin, peru balsam.

Hay: tonka bean, celery, cut hay.

Synthetic Raw materials

Isolates.

Seni-synthetic products.

Synthetic products.

Study of Synthetic Raw Materials

Semi-synthetic: cedryle acetate, vetiveryl acetate, heliotropine, hydroxycitronnellal, ionones and methyl ionones, carvone, terpineol, isobornyle acetate.

Synthetic: musk ketone, musk xylene, cinnamic alcohol, benzyl alcohol, benzoic aldehyde, cinnamic aldehyde, amyl cinnamic aldehyde, hexyl cinnamic aldehyde, phenylacetic aldehyde, cyclamen aldehyde, diphenylmethane, polycyclic musks, benzophenone, styrallyl acetate, coumarin, anethol, anisic aldehyde, amyl salicylate, benzyl salicylate, eugenol, vanillin, ethyl-vanillin, iso-eugenol, eugenyl acetate, coumarin, thymol, nitromusks, menthol, menthone, anisic aldehyde, anisic alcohol, anisic.

Esters: methyl anthranilate, methyl-N methyl anthranilate, methyl naphthyl ketone, heterocyclic musks.

Schiff bases

Fragrance Families

Water, floral, soft floral, floral oriental, oriental, woody oriental, mossy woods, dry woods, aromatic.

Application

Shower gels, shampoos, deodorants, anti-perspirant deodorant sticks, soaps, candles, potpourris, and air fresheners, fine fragrances.

Thailand's Essential Oil Map of the World

115

Albania

Abies Alba Oil  
Origanum Oil  
Sage Oil

Argentina

Citronella Oil  
Grapefruit Oil  
Lemon Oil  
Mandarin Oil

Australia

Blackcurrant Abs.  
Eucalyptus Oil  
Boronia Abs.  
Fennel Sweet Oil  
Lavender Oil  
Lemon Oil  
Tea Tree Oil

Austria

Birch Tar Oil

Brazil

Bergamot Oil  
Bitter Orange Oil  
Boise-de-rose Oil  
Cabore Oil  
Cabreuva Oil

Copaiba Balsam Oil  
Cornmint Oil  
Cypress Oil  
Eucalyptus Oil  
Grapefruit Oil  
Lemon Oil  
Lemongrass Oil  
Lime Oil  
Mandarin Oil  
Orange Oil  
Peru Balsam Oil  
Petitgrain Oil  
Sassafras Oil  
Tangerine Oil  
Tolu Balsam Oil  
Vetiver Oil  
Ylang Ylang Oil

Bulgaria

Abies Alba Oil  
Anise Seed Oil  
Blue Chamomile Oil  
Clary Sage Oil  
Dill Weed Oil  
Rose Oil

Canada

Cedarleaf Oil  
Fir Balsam Oil  
Fir Needle Oil

China

Ambrette Seed Oil  
Camphor Oil  
Cassia Oil  
Cedarwood Oil  
Celery Seed Oil  
Chempaka Concrete  
Cornmint Oil  
Eucalyptus Oil  
Fennel Biter Oil  
Geranium Oil  
Ginger Oil  
Ho Leaf Oil  
Jasmin Abs.  
Jasmin Concrete  
Lavender Oil  
Lemongrass Oil  
Lime Oil  
Litsea Cubeba Oil  
Mandarin Oil  
Patchouli Oil  
Sassafras Oil  
Siberian Pine Needle Oil  
Spearmint Oil  
Star Anise Oil  
Valerian Oil  
Vetiver Oil

Comoros

Basil Oil  
Cananga Oil  
Palmarosa Oil

Ylang Ylang Oil	Carrot Seed Oil	Honduras
Cuba	Celery Herb Oil	
Bitter Orange Oil	Celery Seed Oil	Styrax Oil
Cascarilla Oil	Clary Sage Oil	
Lime Oil	Cognac Oil	Hungary
Cyprus	Cypress Oil	
Lemon Oil	Jasmin Abs.	Angelica Root Oil
El Salvador	Jasmin Concrete	Dill Weed Oil
Peru Balsam Oil	Lavender Oil	Roman Chamomile Oil
Egypt	Mimosa Abs.	Valerian Oil
Anise Seed Oil	Nerol Oil	
Basil Oil	Orange Flower Abs.	India
Blue Chamomile Oil	Petitgrain Oil	
Caraway Oil	Roman Chamomile Oil	Ajowam Oil
Celery Seed Oil	Rose Oil	Ambrette Seed Oil
Coriander Oil	Tuberose Abs.	Anise Seed Oil
Cumin Oil	Violet Leaf Abs.	Calamus Oil
Dill Seed Oil	Germany	Cardamom Oil
Fennel Bitter Oil		Cedarwood Oil
Geranium Oil	Birch Tar Oil	Celery Herb Oil
Jasmin Abs.	Cognac Oil	Celery Seed Oil
Jasmin Concrete	Guatemala	Cinnamon Leaf Oil
Marjoram Oil		Citronella Oil
Neroli Oil	Cardamom Oil	Clary Sage Oil
Tagetes Oil	Lemongrass Oil	Coriander Oil
Rose Oil	Palmarosa Oil	Cornmint Oil
Tuberose Abs.	Vetiver Oil	Davana Oil
Ethiopia	Guinea	Eucalyptus Oil
Myrrh Oil		Frangipanni Abs.
France	Bergamot Oil	Geranium Oil
Anise Seed Oil	Bitter Orange Oil	Ginger Oil
Broom Abs.	Haiti	Jasmin Abs.
		Jasmin Concrete
	Amyris Oil	Lemongrass Oil
	Bitter Orange Oil	Nutmeg Oil
	Lime Oil	Palmarosa Oil
	Vetiver Oil	Pepper Oil
		Sandalwood Oil
		Tuberose Abs.
		Vetiver Oil
		Indonesia
		Cajuput Oil

Cananga Oil	Madagascar	Poland
Citronella Oil		
Clove Bud Oil	Basil Oil	Abies Alba Oil
Clove Leaf Oil	Palmarosa Oil	Caraway Oil
Gurjun Balsam	Ylang Ylang Oil	
Nutmeg Oil	Vanilla Resinoid	Portugal
Palmarosa Oil		
Patchouli Oil	Mexico	Eucalyptus
Sandalwood Oil		Laurel Leaf Oil
Vanilla Resinoid	Lime Oil	
Vetiver Oil		Reunion
Iran	Morocco	
	Anise Seed Oil	Cananga Oil
Galbanum Oil	Armoise Oil	Geranium Oil
	Broom Abs.	Ylang Ylang Oil
Israel	Carrot Seed Oil	Romania
	Cedarwood Oil	
Grapefruit Oil	Chamomile Oil	Abies Alba Oil
Orange Oil	Clary Sage Oil	
	Fennel Bitter Oil	Seychelles
Italy	Geranium Oil	
	Jasmin Abs.	Cinnamon Leaf Oil
Bergamot Oil	Jasmin Concrete	Lavandin Oil
Carrot Seed Oil	Lavandin Oil	Lemon Oil
Jasmin Abs.	Marjoram Oil	Neroli Oil
Jasmin Concrete	Neroli Oil	Origanum Oil
Lemon Oil	Orange Flower Abs.	
Mandarin Oil	Pennyroyal Oil	Siri Lanka
Neroli Oil	Petitgrain Oil	
Orange Oil	Rose Oil	Cardamom Oil
Orris Oil	Rosemary Oil	Cinnamon Bark Oil
Roman Chamomile Oil	Tarragon Oil	Cinnamon Leaf Oil
Orange Flower Abs.	Tuberose Abs.	Citronella Oil
Mimosa Abs.		Clove Bud Oil
Petitgrain Oil	Netherlands	Clove Leaf Oil
Jamaica		
	Caraway Oil	Somalia
Lime Oil	Hyacinth Abs.	
Pimmento Berry Oil		Myrrh Oil
Pimmento Leaf Oil	North Korea	
Vanilla Resinoid	Calamus Oil	South Africa
		Buchu Oil

Eucalyptus Oil	United Kingdom	Yugoslavia
Jasmin Abs.		
Jasmin Concrete	Celery Seed Oil	Albies Oil
Tagetes Oil	Hop Oil	Coriander Oil
		Oakmoss
Spain	United States	
Anise Seed Oil	Basil Oil	
Cade Oil	Cedar Leaf Oil	
Cumin Oil	Cedarwood Oil	
Eucalyptus Oil	Celery Seed Oil	
Fennel Bitter Oil	Clary Sage Oil	
Fennel Sweet Oil	Dillweed Oil	
Orange Flower Abs.	Fir Balsam Oil	
	Grapefruit Oil	
Taiwan	Lemon Oil	
	Lime Oil	
Camphor Oil	Olibanum Oil	
Citronella Oil	Orange Oil	
	Peppermint Oil	
Tanzania	Pine Oil	
	Sassafras Oil	
Clove Stem Oil	Spearmint Oil	
Clove Leaf Oil	Tangerine Oil	
Thailand	USSR	
Cornmint Oil	Birch Tar Oil	
Gurjun Balsam	Calamus Oil	
	Coriander Oil	
Tunisia	Dill Seed Oil	
	Sweet Fennel Oil	
Anise Seed Oil	Laurel Leaf Oil	
Armoise Oil	Lavender Oil	
Rosemary Oil	Petitgrain Oil	
	Siberian Pine Needle Oil	
Turkey		
	Viet Nam	
Galbanum Oil		
Laurel Leaf Oil	Star Anise Oil	
Styrax Oil		
Rose Oil		

Essential Oil Map of the World by Treatt USA Inc.

119

Europe	Lavender	Peppermint
	Rose	Petitgrain
ALBANIA	Wormwood	Rose
		Tarragon
Juniperberry	CROATIA	Violet
Orange		
Origanum	Hyssop	GEORGIA
Sage Dalmatian	Immortelle	
	Lavender	Pine
AUSTRIA		Rose
	FINLAND	
Fir		GREECE
	Coriander	
BELGIUM	Pine	Lemon
	Turpentine	Orange
Angelica		Sage Dalmatian
Horseradish	FRANCE	Turpentine
Leek		
Lovage	Basil	HUNGARY
Onion	Blackcurrant	
	Carrot	Angelica
BOSNIA & HERZEGOVNIA	Clary Sage	Caraway
	Cognac	Carrot
Juniperberry	Coriander	Coriander
Lavender	Cypress	Dill
Origanum	Fennel	Fennel
Sage Dalmatian	Garlic	Horseradish
Tarragon	Hyssop	Parsley
	Jasmin	Tarragon
BULGARIA	Lavandin	
	Lavender	ITALY
Coriander	Lovage	
Dill	Mimosa	Bergamot
Fennel	Onion	Bitter Orange

Juniperberry	Fennel	UNITED KINGDOM
Lemon	Lavender	
Mandarin	Mentha Arvensis	Angelica
Onion	Pine Needle	Carrot
Orange		Celery
Orris	SLOVANIA	Chamomile
Peppermint		Coriander
Petitgrain	Juniperberry	Dill
Tangerine		Lavender
	SPAIN	Lovage
MACEDONIA		Peppermint
	Bitter Orange	Sage
Juniperberry	Fennel	Spearmint
Laurel Leaf	Grapefruit	
	Labdanum	Middle East
MOLDOVA	Lavandin	
	Lavender	CYPRUS
Clary Sage	Lemon	
Coriander	Mandarin	Grapefruit
Lavender	Marjoram	Lemon
Peppermint	Neroli	Orange
Rosemary	Orange	
	Origanum	IRAN
NETHERLANDS	Petitgrain	
	Rosemary	Cumin
Angelica	Sage	Galbanum
Caraway	Spike Lavender	Lemon
Garlic	Tangerine	Lemongrass
Onion	Thyme	Tangerine
PORTUGAL	SWITZERLAND	ISRAEL
Turpentine	Clary Sage	Grapefruit
		Lemon
ROMANIA	UKRAINE	Orange
Coriander	Caraway	SYRIA
	Clary Sage	
RUSSIAN FEDERATION	Coriander	Tangerine
	Hyssop	
Birch Tar	Lavender	SAUDI ARABIA
Clary Sage	Peppermint	
Coriander	Rose	Rose
Dill		



## TURKEY

Cumin  
Cypress  
Galbanum  
Grapefruit  
Juniperberry  
Laurel Leaf  
Lemon  
Orange  
Origanum  
Rose

## Africa

## ALGERIA

Geranium  
Peppermint

## ANGOLA

Vetivert

## COMOROS

Cinnamon  
Pepper  
Vanilla  
Ylang Ylang

## COTE D'IVOIRE

Bergamot  
Bitter Orange  
Lemon  
Lime

## EGYPT

Basil  
Chamomile  
Coriander  
Cumin

Dill  
Fennel  
Garlic  
Geranium  
Jasmin  
Leek  
Mandarin  
Marjoram  
Mimosa  
Onion  
Petitgrain  
Tagetes  
Violet

## ETHIOPIA

Civet  
Eucalyptus  
Olibanum  
Pepper

## GAMBIA

Lime

## KENYA

Geranium  
Lavender  
Tea Tree

## MADAGASCAR

Basil  
Cinnamon  
Clove  
Combava  
Lime  
Pepper  
Vanilla  
Ylang Ylang

## MAYOTTE

Cinnamon  
Ylang Ylang

## OMAN

Olibanum

## SEYCHELLES

Cinnamon

## REUNION

Geranium  
Vetivert

## SOUTH AFRICA

Buchu  
Eucalyptus  
Grapefruit  
Lanyana  
Lemon  
Orange  
Tagetes  
Tangerine

## SWAZILAND

Lime

## TANZANIA

Cardamon  
Clove  
Eucalyptus  
Muhuhu  
Petitgrain  
Sandalwood  
Vanilla

TUNISIA	Tangerine	Fennel
	Tea	
Armoise	Turpentine	JAMAICA
Neroli	Watercress	
Rosemary	Watermelon	Orange Pimento
	Wormwood	
UGANDA		Central America
	Caribbean	
Bitter Orange		BELIZE
Geranim	BAHAMAS	
Vanilla		Grapefruit
	Cascarilla	Orange
ZIMBABWE		
	CUBA	COSTA RICA
Orange		
Tagetes	Grapefruit	Orange
Tea Tree	Lemongrass	
	Lime	EL SALVADOR
North America	Orange	
		Cascarilla
CANADA	DOMINICA	Peru Balsam
Cedarleaf	Bay	GUATEMALA
Peppermint		
Spearmint	DOMINICAN REPUBLIC	Cardamon
		Lemongrass
UNITED STATES	Bitter Orange	Lime
		Pimento
Celery	GRENADA	
Coffee		MEXICO
Cognac	Mace	
Cucumber	Nutmeg	Garlic
Dill		Grapefruit
Grapefruit	GUADELOUPE	Lime
Guava		Onion
Honey	Fennel	Orange
Lemon		Petitgrain
Mentha Citrata	HAITI	Tangerine
Orange		Vanilla
Parsley	Amyris	
Passionfruit	Bitter Orange	
Peppermint	Lime	
Spearmint	Styrax	
Sugar	Vetivert	

## South America

## ARGENTINA

Citronella  
Grapefruit  
Honey  
Lemon  
Mandarin  
Orange  
Petitgrain  
Tagetes

## BRAZIL

Bergamot  
Bitter Orange  
Coffee  
Copaiba  
Cypress  
Eucalyptus  
Grapefruit  
Guaiacwood  
Lemon  
Lime  
Mandarin  
Mentha Arvensis  
Ocotea  
Orange  
Petitgrain  
Rosewood  
Tangerine  
Vassourra  
Vetivert

## CHILE

Eucalyptus  
Turpentine

## PARAGUAY

Guaiacwood  
Orange

Petitgrain  
Rosewood

## PERU

Lime Orange

## URUGUAY

Grapefruit  
Lemon  
Mandarin  
Orange

## Asia

## CHINA

Bergamot  
Camphor  
Celery  
Cinnamon  
Citronella  
Clary Sage  
Eucalyptus  
Garlic  
Geranium  
Ginger  
Grapefruit  
Ho Wood  
Jasmin  
Lavender  
Lemon  
Lemongrass  
Litsea Cubeba

## DEMOCRATIC REPUBLIC OF KOREA

Pine  
Tangerine

## EAST TIMOR

Sandalwood

## INDIA

Agarwood  
Basil  
Cardamon  
Carrot  
Celery  
Cinnamon  
Clove  
Cumin  
Davana  
Dill  
Eucalyptus  
Galangal  
Geranium  
Ginger  
Gingergrass  
Juniperberry  
Lemon  
Lemongrass  
Lime  
Mace  
Mentha Arvensis  
Mentha Citrata  
Mustard  
Nutmeg  
Palmarosa  
Parsley  
Pepper  
Peppermint  
Rose  
Sandalwood  
Spearmint  
Tagetes  
Tea  
Thyme  
Vanilla

## INDONESIA

Cajuput  
Cananga  
Citronella

Clove	PHILIPPINES	Pacific Ocean
Ginger		
Lime	Elemi	AUSTRALIA
Mace		
Nugmet	SRI LANKA	Blackcurrant
Patchouli		Boronia
Sandalwood	Cardamon	Celery
Turpentine	Cinnamon	Clary Sage
Vetivert	Citronella	Dill Eucalyptus
Ylang Ylang	Clove	Fennel
	Ginger	Ginger
JAPAN	Mace	Lavender Lemon Orange
	Nugmet	Parsley
Mandarin	Pepper	Peppermint
Mikan	Vetivert	Sandalwood
Perilla Herb		Spearmint
Tangerine Yuzu	TAJKISTAN	Tea Tree
MALAYSIA	Geranium	FIJI
Kesum	TAIWAN	Vanilla
Patchouli		
MYANMAR - BURMA	Camphor	NEW CALEDONIA
	Ho Wood	
		Sandalwood
Sassafras	THAILAND	NEW ZEALAND
Turpentine		
NAPAL	Basil	Fennel
	Lime	
Sassafras	VIET NAM	PAPUA NEW GUINEA
Turpentine		
		Massoia Bark
	Basil	
PAKISTAN	Cajuput	
	Cinnamon	
Mandarin	Citronella	
Tangerine	Litsea Cubeba	
	Pemou	
	Sassafras	
PAPUA NEW GUINEA	Star Anise	
Massoia Bark		

CLASSIFYING AROMA CHEMICALS

Perfumer s First Notes

125

Name	Description	Family	M.W.	B.P.	\$ LB
Acetate Eugenol	Carnation	Eugenol	206.2	282	7.00
Acetate Iso Eugenol	Balsamic Spicy	Iso Eugenol	206.2	-	14.61
Acetate PA	Pineapple	Ester	152.1	265	11.25
Acetate C - 8	Fruity Waxy	Ester	172.2	208	11.25
Acetophenone	Hawthorne	-	120.1	-	2.58
Adoxal	Waxy rosy	-	210.3	-	57.50
Argumen Aldehyde	Floral	Aldehyde	-	-	29.75
Alcohol C - 10	Orange	Ester	158.3	233	18.00
Aldehyde C - 6	Fatty green	Aldehyde	100.1	131	21.00
Aldehyde C - 7	Fruity fermenting	Aldehyde	114.1	153	22.68
Aldehyde C - 8	Woody green	Aldehyde	128.2	170	7.00
Aldehyde C - 9	Fatty floral	Aldehyde	142.2	191	8.90
Aldehyde C - 10	Orange	Aldehyde	156.2	209	5.50
Aldehyde C - 11 Lenic	Waxy rosy	Aldehyde	168.2	235	22.50
Aldehyde C - 12 Lauric	Waxy herbaceous	Aldehyde	184.3	249	9.10
Aldehyde C - 12 MNA	Amber	Aldehyde	184.3	-	17.20

Aldehyde C - 14	Peach	Aldehyde	184.3	-	9.64
Aldehyde C - 16	Strawberry	Aldehyde	240.4	260	6.96
Aldehyde C - 18	Coconut	Aldehyde	156.2	243	11.65
Allyl Amyl Glycolate	Pineapple	Ester	186.2	-	51.00
Allyl Caproate	Fruity pineapple	Ester	156.2	185	6.00
Allyl Cyclo Hexyl Prop.	Pineapple	Ester	196.2	-	17.25
Alpha Fenchyl Alcohol	Camphoraceous	Alcohol	-	-	5.85
Allyl Heptoate	Fruity banana	Ester	170.2	210	6.75
Allyl Ionone	Violet	-	232.3	265	52.90
Alpha Damascone	Rose	-	-	-	148.00
Alpha Ionone	Violet	-	192.3	237	20.95
Alpha Ionone White Coeur	Violet	-	192.3	237	18.75
Alpha Pinene	Coniferous	Turpentine	136.2	157	2.25
Alpha Terpineol	Lilac	Pine Oil	154.2	219	1.22
Ambrettex XNM	Animal	-	-	-	12.50
Amyl Acetate	Fruity banana	Ester	130.1	142	1.95
Amyl Benzoate	Balsamic mild	Ester	192.2	262	3.65
Amyl Butyrate	Ethereal fruity	Ester	158.2	186	4.95
A C A Di Methyl Acetal	Floral	Aldehyde	360	-	10.50
Amyl Cinnamic Aldehyde	Floral	Aldehyde	202.3	285	2.30
Amyl Propionate	Fruity apricot	Ester	144.2	161	5.75
Amyl Salicylate	Herbaceous green	Ester	208.2	277	2.25

Amyl Vinyl Carbinol	Earthy	Grignard	128.2	175	54.90
Amyris Acetate	Woody	Amyris Oil	-	-	38.55
Amyris Oil	Woody	Essential Oil	-	-	15.00
Anethole	Basil	Anise	148.2	236	8.00
Anisic Aldehyde	Hawthorne	Aldehyde	136.1	248	5.00
Anisyl Acetate	Floral	Ester	180.2	235	24.50
Anisyl Formate	Green floral	Ester	166.2	-	28.25
Aphermate	Woody	Ester	184.3	-	7.80
Apple Oliffac	Apple	-	-	-	13.25
Armoise Oil	Herbaceous green	Essential Oil	-	-	28.12
Aurantiol	Floral	Schiff Base	305.4	-	15.60
Bacdanol	Sandalwood	-	208.3	-	40.00
Balsam Copaiba	Balsamic	Essential Oil	-	-	6.00
Balsam Peru Oil	Vanilla	Essential Oil	-	-	18.50
Bay Oil West Indies	Spicy	Essential Oil	-	-	26.50
Benzaldehyde	Bitter almonds	Aldehyde	106.1	179	1.05
Benzoin Essence B - 265	Vanilla balsamic	Essential Oil	-	-	35.40
Benzoin Resin	Vanilla balsamic	Essential Oil	-	-	30.00
Benzophenone	Geranium rose	Ketone	182.2	306	3.65
Benzyl Acetate	Floral sweet	Ester	150.1	215	1.35
Benzyl Alcohol	Faintly sweet	B Chloride	180.1	205	1.20
Benzyl Benzoate	Faintly balsamic	Ester	212.2	324	1.60

Benzyl Butyrate	Fruity floral	Ester	178.2	240	5.80
Benzyl Cinnamate	Balsamic floral	Ester	238.2	-	13.50
Benzyl Formate	Fruity green herby	Ester	136.1	202	8.85
Benzyl Phenyl Acetate	Honey floral	Ester	236.2	317	11.60
Benzyl Propionate	Fruity sweet	Ester	164.2	222	5.50
Benzyl Salicylate	Faintly sweet	Ester	228.2	300	4.50
Bergamot FCC	Orange	Essential Oil	-	-	105.00
Bergamot N/S	Orange	Essential Oil	-	-	100.00
Beta Damascone	Rosy fruity	-	-	-	218.00
Beta Pinene	Resinous piney	Turpentine	136.2	166	2.50
BHT	Preservative	-	-	-	1.82
Birch Tar Oil	Phenolic	Essential Oil	-	-	36.50
Bisabolene	Spicy	-	204.3	-	32.70
Boise De Rose Oil	Rose citrus	Essential Oil	-	-	16.00
Cabreuva Oil	Woody	Essential Oil	-	-	49.00
Camphene Tech	Camphoraceous	A. Pinene	136.2	-	4.90
Camphor Powder	Minty ethereal	Wood Oil	152.2	-	2.00
Cananga Oil	Floral	Essential Oil	-	-	12.00
Canthoxal	Anise sweet	-	-	-	63.80
Caraway Oil	Spicy	Essential Oil	-	-	25.00
Cardamon Oil	Spicy	Essential Oil	-	-	150.00
Carvacol	Medicinal	Para Cymene	151.2	238	7.20



Cashmeran	Musk	-	206.2	-	121.70
Castoreum Resin	Beaver	Essential Oil	-	-	237.60
Cassia Oil	Cinnamon	Essential Oil	-	-	-
Cedarleaf Oil	Camphoraceous	Essential Oil	-	-	34.00
Cedarwood Oil Texas Crude	Cedar	Essential Oil	-	-	3.75
Cedarwood Oil of Virginia	Cedar	Essential Oil	-	-	6.20
Cedramber	Woody	Esther	236.4	-	47.80
Cedrene	Woody camphor	Cedar	204.3	262	5.50
Cedrenyl Acetate	Faint woody	Cedrene	264.3	-	9.75
Cedryl Acetate	Woody leathery	Cedrol	264.4	-	8.00
Celestolide	Musk	-	244.4	-	27.75
Chamomile Oliffac	Herbaceous	-	-	-	150.00
Cinnamalva	Spicy	Nitrile	129.2	-	52.00
Cinnamic Aldehyde	Spicy	Aldehyde	132.1	252	2.05
Citral	Lemony	Aldehyde	152.2	228	6.19
Citralva	Citrus lemony	Nitrile	149.2	222	11.75
Citroflex 2	Wine	Ester	276.2	294	2.59
Citronella Oil Ceylon	Grassy verbena	Essential Oil	-	-	3.40
Citronella Oil Java	Verbena	Essential Oil	-	-	3.05
Citronellol Oil Coeur	Floral rose	Alcohol	156.2	225	4.56
Citronellyl Acetate	Sweet rose	Ester	198.3	229	6.90
Citronellyl Butyrate	Fruity rose	Ester	226.3	245	10.50

Citronellyl Formate	Green leafy	Ester	184.2	235	9.55
Citronellyl Propionate	Fruity rose	Ester	212.3	242	11.80
Civet Powder	Animal	Essential Oil	-	-	21.80
Clonal	Orange peel	Nitrile	181.3	-	20.00
Clove Bud Oil	Clove spicy	Essential Oil	-	-	17.24
Clove Stem Oil	Clove	Essential Oil	-	-	4.10
Coriander Oil	Spicy candy	Essential Oil	-	-	44.00
Cornmint Oil Brazil	Minty	Essential Oil	-	-	10.00
Costus Oil	Precious wood	Essential Oil	-	-	138.00
Coumarin	Herbaceous	-	146.1	291	7.00
Cumin Oil	Green spicy	Essential Oil	-	-	83.46
Cyclamen Aldehyde	Green stem	Aldehyde	190.2	190.2	13.05
Cyclogalbonate	Herbaceous green	Ester	-	-	40.00
Cyclotene	Maple	-	130.5	-	40.00
Delphone	Jasmin	-	-	-	37.0
Di Ethyl Malonate	Apple	-	160.7	199	2.75
Di Ethyl Phthalate (DEP)	Solvent	Ester	222.2	298	.86
Di Hydro Anethole	Sweet basil	Anethole	150.2	225	21.00
Di Hydro Iso Eugenol	Spicy	Eugenol	162.2	250	8.50
Di Hydro Myrcenol	Lime citrusy	-	256.2	-	5.10
D ' Limonene	Citrus orange	-	136.2	177	1.10
Di Methyl Anthranilate	Grape	-	165.2	256	23.60

Di Methyl Benzyl Carbinyl	Floral	-	150.2	215	20.00
D M B C - Acetate	Fruity floral	Ester	192.2	250	11.90
D M B C - Butyrate	Fruity plum	Ester	220.3	-	16.50
D M B C - Propionate	Floral fruity	Ester	206.2	-	69.50
Di Methyl Hydro Quinone	Herbaceous	-	-	-	13.00
D I O L A	Lavender	Ester	116.2	-	16.00
Dipentene 122	Lemon	Pine Oil	136.2	178	1.01
Di Phenyl Oxide	Geranium rose	Coal Tar	-	287	2.00
Di Propylene Glycol (DPG)	Solvent	Glycerin	76.1	189	.60
Dupical	Muguet	-	-	-	113.40
Ethyl Aceto Acetate	Ethereal	-	130.1	181	12.35
Ethyl Benzoate	Floral fruity	Ester	150.1	212	4.25
Ethyl Butyrate	Ethereal fruity	Ester	116.1	121	2.20
Ethyl Cinnimate	Balsamic fruity	Ester	176.2	271	12.70
Ethyl Linalool	Floral	Ester	168.2	-	20.20
Ethyl Phenyl Acetate	Honey sweet	Ester	192.2	-	9.75
Ethyl 2 Methyl Butyrate	Apple skin	Ester	130.1	-	23.79
Ethyl Vanillin	Vanilla	Aldehyde	166.1	-	13.50
Ethylene Brassylate	Musk	Cyclic Ester	-	332	20.50
Eucalyptol	Camphoraceous	-	154.2	175	5.76
Eugenol	Spicy	-	164.2	253	2.75
Exaltolide	Animal	Lactone	240.3	280	69.00

Farnesol Oil	Green floral	Linalool	222.3	263	69.00
Fir Needle Canadian	Pine	Essential Oil	-	-	10.75
Fir Needle Siberian	Pine	Essential Oil	-	-	11.75
Fixolide	Musky	-	-	-	23.95
Floralzone	Fresh air	-	-	-	19.80
Fructose	Wine	-	174.2	-	14.75
Galaxolide 50	Musk	-	258.4	-	8.75
Galbanum Coeur	Green	-	-	-	953.00
Galbanum Resin	Balsamic	Essential Oil	-	-	100.00
Geraniol	Sweet rose	Alcohol	154.2	230	4.65
Geraniol 60	Sweet rose fraction	Alcohol	154.2	-	3.10
Geranium Egyptian	Geranium rose	Isomeric	-	-	24.50
Geranyl Acetate	Sweeter rose	Ester	196.2	245	7.45
Geranyl Benzoate	Fruity rosy	Ester	258.3	305	43.10
Geranyl N Butyrate	Fruity rose	Ester	224.3	253	9.10
Geranyl Formate	Leafy rose	Ester	182.2	216	9.50
Geranyl Phenyl Acetate	Honey rose	Ester	272.3	-	35.90
Geranyl Propionate	Fruity rose	Ester	210.3	253	14.50
Grapefruit Oil of Florida	Grapefruit	Essential Oil	-	-	5.19
Guaicwood Oil	Smoky	Essential Oil	-	-	4.75
Grapefruit Oil Terpenes	Grapefruit	Essential Oil	-	-	1.40
Hedione	Jasmin	-	-	-	13.50

Helional	Hay like	Anisole	130.1	-	42.50
Heliotropine	Heliotrope	Iso Safrole	150.1	263	11.75
Hercolyn - D	Odorless	Turpentine	318.5	366	3.21
Hexyl Acetate	Pear like	Ester	144.2	172	5.50
Hexyl N Butyrate	Fruity	Ester	172.2	208	15.20
Hexyl Cinnamic Aldehyde	Sweet oily	Benzaldehyde	216.3	305	3.00
Hexyl Salicylate	Herbaceous	Ester	222.2	290	5.25
Hydrocarbon Resin SB	Leather	-	-	-	207.00
Hydrofix L	Floral lily	-	-	-	4.50
Hydroxycitronellal	Muguet	Aldehyde	173.2	241	9.50
Hysimal	Lily of the Valley	Aldehyde	-	-	8.80
Indole	Floral	Coal Tar	232.3	-	31.80
Ionone Alpha Extra	Violet	-	192.3	237	20.95
Ionone Alpha White Coeur	Violet	-	192.3	237	18.75
Iso Borneol Crystals	Camphoraceous	Camphor	154.2	214	4.30
Iso Butyl Acetate	Ethereal	Ester	116.1	116	2.45
Iso E Super	Woody amber	-	234.2	-	27.30
Iso Eugenol	Carnation	Eugenol	-	-	5.75
Iso Jasmone	Jasmin	Isomeric	-	-	65.00
Iso Menthone	Minty	-	154.2	208	14.70
Iso Nonyl Acetate	Fruity	Acetylation	186.3	-	2.55
Iso Plugeol	Minty	-	-	-	10.20

Jasmal	Jasmin	Isomeric	244.3	-	11.00
Jasmin 187	Jasmin	-	-	-	215.00
Jasmonyyl	Jasmin	Isomeric	244.3	-	7.50
Jessemal	Jasmin	Isomeric	-	-	7.30
Kephalis	Woody	-	-	-	32.06
Kir Base # 9741	Woody	-	-	-	23.60
Labdanum Resin	Balsamic	Essential Oil	-	-	22.50
Laevo Bornyl Crystals	Woody	Camphor	154.2	212	9.50
Lavandin Grosso	Herbaceous	Essential Oil	-	-	7.40
Lavender Oil 40/42	Herbaceous	Isomeric	-	-	19.00
Lavender Oil Spiked	Herbaceous	Essential Oil	-	-	9.00
Leaf Acetate	Green	-	-	-	47.90
Leaf Alcohol	Fruity green	-	100.1	157	42.50
Leather 3768 - LWS	Leather	-	-	-	8.75
Lemongrass Oil Guatemala	Grassy lemon	Essential Oil	-	-	7.00
Lemon Oil Italian	Lemon	Essential Oil	-	-	14.06
Lemon Terpenes	Lemon	Essential Oil	-	-	2.85
Lilial	Lily	Aldehyde	204.3	258	8.75
Lime Oil 4 Fold	Lime	-	-	-	55.10
Lime Terpenes	Lime	Essential Oil	-	-	3.75
Linalool	Floral	-	154.2	198	5.00
Linalyl Acetate	Fruity	-	196.2	220	5.50

Litsea Cubeba	Lemon	-	-	-	5.50
Lyrall	Green floral	Isomeric	210.3	-	9.80
Maltol	Fruity	-	126.1	-	45.36
Mandarin Italian Select	Mandarin orange	Essential Oil	-	-	28.12
Maritima	Fresh air	-	229.2	-	85.00
Mayol	Green	-	-	-	51.00
Melon Oliffac	Melon	-	-	-	51.00
Menthanyl Acetate	Piney citrusy	-	-	-	13.20
Menthol Crystals	Peppermint	Essential Oil	156.2	-	8.00
Menthol Racemic	Peppermint	Essential Oil	156.2	216	7.80
Methyl Amyl Ketone	Spicy	Ketone	114.1	152	15.50
Methyl Benzoate	Deep floral	Ester	136.1	200	2.80
Methyl Chavicole	Sweet herbaceous	-	148.2	216	49.00
Methyl Cinnimate	Balsamic	Ester	162.1	263	6.55
Methyl Cinnamic Aldehyde	Spicy	Aldehyde	146.1	-	5.30
Methyl Eugenol	Spicy	Eugenol	178.2	249	8.75
Methyl Ionone Alpha Extra	Violet	Ionone	-	-	15.80
Methyl Ionone Beta Ceour	Woody violet	Ionone	-	-	29.95
Methyl Iso Eugenol	Spicy	Isomeric	178.2	270	7.90
Methyl Lavender Ketone	Lavender	Ketone	-	-	141.70
Methyl Octine Carbonate	Violet leaf	-	168.2	220	67.50
Methyl Phenyl Acetate	Honey musk	-	150.1	220	6.50

Methyl Salicylate	Wintergreen	Ester	152.2	223	2.25
Mousse De Metra	Oakmoss	-	-	-	45.36
Musk Ambrette	Floral musk	Nitro Musk	268.2	-	9.00
Musk Ketone	Musk	Ketone	294.3	-	8.00
Musk Tibetine	Musk	Nitro Musk	266.3	-	28.50
Musk Xylol	Musk	Nitro Musk	297.2	-	2.80
Myrcene	Citrusy	B Pinene	136.2	167	4.45
Nerol	Sweet rose	Isomeric	153.2	227	5.85
Nerolin Bromelia Crystals	Floral	B Naphthol	200.2	-	6.25
Neryl Acetate	Raspberry rose	Geranyl A	196.2	231	11.25
Nopol	Woody	B Pinene	166.2	220	3.85
Nopyl Acetate	Woody fruity	Nopol	208.3	234	3.05
Ocotea Cymbarium	Sassafras	Safrole	162.1	235	5.00
Ocimene	Herbaceous	Pinene	136.2	177	144.00
Olibanum Resin	Terpeney green	Essential Oil	-	-	16.78
Orange Aldehyde	Fatty orange	n Octanol	128.2	170	26.00
Orange Oil of California	Orange	Essential Oil	-	-	1.25
Orange Terpenes	Orange	Essential Oil	-	-	.85
Oranger Crystals	Orange blossom	-	170.2	-	20.05
Osyrol	Sandalwood	-	-	-	18.50
Para Cresyl Acetate	Lily	P Cresol	150.1	-	13.40
Para Cymene	Gassy kerosene	D'Limonene	134.2	179	3.00



Patchone	Woody	-	156.2	-	9.07
Patchouli Dark	Herbaceous	Essential Oil	-	-	11.25
Patchouli MD	Herbaceous	Essential Oil	-	-	14.00
Peach Oliffac	Peach	-	-	-	13.45
Penny Royal American	Mint	Essential Oil	-	-	20.50
Peppermint Oil Natural	Minty	Essential Oil	-	-	28.50
Peru Balsam Resin	Balsamic	Essential Oil	-	-	-
Petitgrain Oil SA	Floral woody	Essential Oil	-	-	14.10
Phenoxy Ethyl Iso Butyrate	Fruity rosy	Ester	208.2	265	7.50
Phenyl Acetaldehyde	Hyacinth	Aldehyde	120.1	206	13.15
Phenyl Ethyl Acetate	Honey rosy	Ester	164.2	232	5.00
Phenyl Ethyl Alcohol	Honey rose	-	122.1	220	3.00
Phenyl Ethyl Cinnimate	Balsamic rose	-	252.3	-	30.00
Phenyl Ethyl Propionate	Fruity rosy	Ester	248.2	240	13.15
Phenyl Ethyl Salicylate	Balsamic rosy	Ester	248.2	300	18.20
Piconia	Woody	-	220.2	-	12.80
Pine Oil Yarmor # 302	Pine	Pine Oil	-	-	1.03
Raspberry Ketone	Raspberry	Ketone	164.2	-	28.00
Rosalva	Waxy rose	-	156.2	-	4.75
Rose Crystals	Green rosy	Acetylation	267.5	282	4.75
Rosemary Oil Spanish	Lavender	Essential Oil	-	-	7.00
Sage Oil Clary	Spicy	Essential Oil	-	-	65.00

Sandalore	Sandalwood	-	-	-	28.25
Sandela	Sandalwood	-	281.3	265	5.50
Scentenal	Green	-	-	-	11.75
Spearmint Native	Spearmint	Essential Oil	-	-	15.75
Spearmint Terpenes	Spearmint	Essential Oil	-	-	4.50
Stemone	Green	-	-	-	15.25
Styrallyl Acetate	Green	Ester	164.2	214	3.50
Strawberry Oliffac	Strawberry	-	-	-	-
Styrax Resinoid	Balsamic	Essential Oil	-	-	5.00
Tangerine Oil of Florida	Fruity	Essential Oil	-	-	15.54
Terpineol Prime	Lilac	Pine Oil	154.2	219	1.38
Terpinoline 20	Piney	-	-	-	2.25
Terpinoline 90	Hydrocarbon	-	-	-	1.79
Terpinyl Acetate	Herbaceous	Ester	196.2	220	1.80
Thymol Crystals	Medicinal	P Cresol	150.2	233	5.75
Tobacco Abs.	Tobacco	Essential Oil	-	-	340.20
Tolu Balsam Resin	Balsamic	Essential Oil	-	-	17.95
Tonalid	Musk	-	258.4	248	13.50
Traseolide 100	Musk	-	-	-	25.00
Tri Cyclo Decenyl Acetate	Herbaceous	Ester	-	-	2.35
Tri Cyclo Decenyl Propionate	Fruity	Ester	-	-	2.45
Triplal	Citrus	-	138.2	-	14.30

Turpentine SDW	Woody	Essential Oil	-	-	1.72
Vanillin	Vanilla	Aldehyde	152.1	285	6.00
Veltol Plus	Fruity	-	140.1	-	55.62
Vertenex	Woody	-	198.3	232	2.45
Vertofix	Woody	Ketone	246.4	-	10.00
2, 6, Xylenol	Leather	-	-	-	12.25

## Classification Methods

140

Method	Publication Date	Page #
Natural Essenes	Unknown	141
Classification of Eugene Rimmel	1865	142
Principal Materials In Perfumery By Eugene Rimmel	1865	143 - 146
Rene Maurice Gattefose Classification	1881	147 - 148
Classification of Redgrove	Unknown	149
Classification of Zwaardemaker	1857 - 1930	150
Classification of Henning	1885	151
Duration Of Evaporation Table, W. A. Poucher	1923	152 - 167
Chart of Perfume Raw Materials, Jill Jessee	1951	168 - 174
Constituents Of The Essential Oils, Dr. Olindo Secondini	1990	175 - 178
Odorphone of Piesse	Unknown	179 - 180
The Scent Pyramid	Unknown	181 - 182
Evaluation Groupings		183 - 202
Hidden Sentiment in Plant Lore		203 - 226

## Natural Essences

1. Flowering Plants, Shrubs and Trees: Carnation, Cassie, Cananga, Hawthorne, Heliotrope, Hyacinth, Jasmine, Jonquil, Lilac, Lily, Mimosa, Muguet, Narcissus, Orange Flower, Reseda, Rose, Tuberose, Violet, Ylang Ylang.
2. Leaves: Bay Cinnamon, Cedar, Patchouli, Bitter Orange, Wintergreen, Eucalyptus.
3. Woods: Amyris, Cade, Cedar, Birch, Bois De Rose, Camphor, Guaiac, Laurel, Linaloe, Santal, Sassafras.
4. Barks: Birch, Cascarilla, Cassia, Cedar, Cinnamon, Cypress.
5. Fresh Fruit' Peels: Bergamot, Citron, Grapefruit, Lemon, Limes, Mandarin, Orange, Tangerine.
6. Grass: Citronella, Gingergrass, Lemongrass, Palmarosa.
7. Seeds: Ambrette, Angelica, Cardamon, Carrot, Croton, Cumin, Dill, Mustard, Parsley, Bitter Almond.
8. Dried Leaves: Cherry Laurel, Eucalyptus, Niaouli, Patchouli.
9. Dried Fruits: Coriander, Anise, Juniper, Nutmeg.
10. Dried Buds & Berries: Clove, Cubeb, Juniper, Pimenta.
11. Balsams: Copaiba, Labdanum, Peru, Tolu, Gilead.
12. Gums: Elemi, Galbanum, Mastic, Myrrh, Olibanum, Opoponax, Styrax.
13. Roots & Rhizomes: Angelic, Calamus, Costum, Ginger, Orris, Valerian, Vetiver.
14. Herb ' s Flowers: Basil, Chamomile, Dill, Estragon, Fennel, Geranium, Lavandin, Lavender and Spike Lavender, Lovage, Majoram, Origanum, Parsley, Penny Royal, Peppermint, Rosemary, Sage, Spearmint, Tansy, Thyme, Verbena, Wormseed, Wormwood.

## Classification of Eugene Rimmel 1865

Rimmel grouped all odors more or less close to each other. Isotonic odors means same tone, and iso - osmatic meaning same odor.

1. Rose: Geranium
2. Jasmine: Ylang Ylang
3. Orange: Acacia
4. Tuberose: Narcissus, Lily
5. Violet: Iris
6. Vanilla: Styrax, Peru Balsam, Heliotrope
7. Cinnamon: Cassia
8. Sandel: Vetiver
9. Lemon: Bergamot
10. Lavender: Spike
11. Mint: Basil, Thyme
12. Anise: Coriander
13. Bitter Almond: Laurel
14. Musk: Civet
15. Fruit: Apple, Pineapple
16. Clove: Pink Carnation
17. Camphor: Rosemary
18. Amber: Ambergris

An arrangement of isotonic or iso osmatic odors:

- |                     |                   |               |
|---------------------|-------------------|---------------|
| 1. Folial - Nutty   | 11. Animal        | 21. Oenanthic |
| 2. Verdue           | 12. Resinous      |               |
| 3. Oakmoss - Lichen | 13. Spicy - Nutty |               |
| 4. Fern             | 14. Balsamic      |               |
| 5. Earthy           | 15. Herbaceous    |               |
| 6. Fungal           | 16. Amber         |               |
| 7. Rooty            | 17. Honey         |               |
| 8. Woody            | 18. Aldehydic     |               |
| 9. Smoky            | 19. Citrus        |               |
| 10. Leather         | 20. Fruity        |               |

## Principal Materials Used in Perfumery 1865

Names	Whence Extracted	Place of Production
Almond	Amygdalus Amara	Northern Africa
Ambergris	Secretion of Physeter Macrocephalus	Floating in sea
Aniseed	Pimpinella Anisum	Northern Europe
Ditto ( Star )	Illicium Anisatum	China & Japan
Balsam Peru	Myroxylon Peruiferum	South America west coast
Balsam Tulu	Toluifera Balsamum	Same
Bergamot	Citrus Bergamia	Calabria & Sicily
Bigarrade	Citrus Bigaradia	Italy
Camphor	Laurus Camphora	China & Japan
Caraway	Carum Carui	England, Germany, France
Cascarilla	Croton Cascarilla	Bahama Islands
Cassia	Laurus Cassia	East Indies & China
Cassie	Acacia Farnesiana	South of France, Algeria
Cedar	Pinus Cedra	Syria, United States
Cedrat	Citrus Cedrata rind	France, Italy,
Cinnamon	Laurus Cinnamomum bark	Ceylon

Cinnamon Leaf	Leaves of above	Ceylon
Citronella	Andropogon Citratus	Ceylon
Civet	Secretion Viverra Civetta	Africa
Cloves	Caryophyllus, flower bud	S.E. Asia, Zanzibar
Dill	Anethum Graveolens	England
Fennell	Anethum Foeniculum	South of France
Geranium	Pelargonium Odoratissimum	France, Italy, Algeria, Spain
Ginger grass	Andropogon Nardus	Ceylon
Iris or Orris	Root of Iris Florentina	Italy
Jasmine	Jasminum Odoratissimum	France, Italy, Tunis, Algeria
Jonquil	Narcissus Jonquilla	France, Italy
Laurel	Cerasus Lauro Cerasus, leaves	France, England, Italy
Lavender	Lavandula Vera	France, England, Italy
Lemon Citrus	Medica, rind	Genoa, Calabria, Sicily, Spain
Lemon grass	Andropogon Schaenanthus	Ceylon
Limette	Citrus Limetta, rind	South of France
Mace	Expressed from refuse nutmegs	Indian Archipelago
Marjoram	Origana Majorana	South of France
Mirbane	Almonds	England & France
Musk	Secretion Of Moschus Moschatus	Tibet, China, & Siberia
Musk seed	Hibiscus Abelmoschus	West Indies
Myrtle	Myrtus Communis	South of France



Myrrh	Balsamodendron Myrrha	East Indies, Arabia, Algeria
Narcissus	Narcissus Odorata	Algeria
Neroli, bigarrade	Citrus Bigaradia, flowers	France, Italy, Algeria
Neroli, portugal	Citrus Aurantium. flowers	France, Italy, Algeria
Nutmeg	Myristica Moschata	Indian Archipelago
Orange, portugal	Citrus Aurantium, rind	Calabria, & Sicily
Orange flower	Citrus Bigardia, flowers	France, Italy, China, India
Patchouly	Pogostemon Patchouli	India & China
Peppermint	Mentha Piperita	England & United States
Petitgrain, bigarrade	Citrus Bigardia, leaves	France & Algeria
Petitgrain, portugal	Citrus Aurantium, leaves	France & Algeria
Rose	Rosa Centifolia	France, Italy, and Turkey
Rosemary	Rosmarinus Officinalis	South of France
Rosewood	Lignum Aspalathum	South America
Sandalwood	Santalum Citrinum	India, China, Asia, Australia
Sassafras	Laurus Sassafrus	United States
Serpolet	Thymus Serpyllum	South of France
Spike	Lavandula Spica	South of France
Styrax	Liquidambar Styraciflua	Turkey
Thyme	Thymus Vulgaria	South of France
Tonquin	Beans of the Dipterix Odorata	South America, West Indies
Tuberose	Polianthes Tuberosa	France, Italy & Mexico

Vanilla	Pod of Vanilla Planifolia	Mexico
Verbena	Aloysia Citriodora	Spain
Violet	Viola Odorata	France, Italy
Vitiver	Anatherum Muricatum	India
Wintergreen	Gaultheria Procumbens	United States

## Rene Maurice Gattefosie Classification 1881

#	Family	Variety	Common Odor
1.	Jasmines	Jasmine, Lilac, Lily Of Valley Cyclamen, Ylang Ylang,	Benzyl Acetate, & other esters,
2.	Orange	Neroli, Orange Flower, Petitgrain Acacia, Sweet Pea	Nerol, Methyl Anthranilate, Farnesol
3.	Narcissus	Narcissus, Tuberose, Hyacinth, Jonquil, Glycine, Gardenia, Honey Suckle, Magnolia, Broom	Para Cresyl Esters, Phenyl Acetic Esters
4.	Rose	Rose, Geranium, Palmarosa	Phenyl Ethyl Alcohol, Citronellol, Geraniol, Rhodinol, Di Phenyl Oxide
5.	Violet	Violet, Iris ( Orris ), Mignonette Reseda	Irone, Ionone, Methyl Ionone, Methyl Heptene Carbonate
6.	Mimosa	Mimosa, Cassia	Para Methyl Acetophenone
7.	Citrus	Bergamot, Verbana, Melissa ( Balm Mint )	Citral, Citronellol, Linalool, Limonene
8.	Aurantiae	Orange, Tangerine, Lemon	Methyl Anthranilate, Aldehyde C - 10
9.	Lavender	Lavender, Hyssop, Laurel	Linalyl Acetate & other Esters Terpinyl Acetate
10.	Mint	Mint, Spearmint	Pulegone, Menthol, Menthone
11.	Spice	Cinnamon, Clove, Tarragon,	Cinnamic Aldehyde, Eugenol,

		Thyme, Oregano Bay	Thymol
12.	Woods	Pine, Juniper, Rosemary, Vetiver, Patchouli	Borneol, & Acetate, Camphor
13.	Vanilla	Vanilla Heliotrope	Vanillin, Heliotropine
14.	Anise	Anise, Fennel, Chinese Anise	Anethole
15.	Amber	Clary Sage, Labdanum	Musk Ambrette, Musk Ketone, Ambergris

## Classification of Redgrove

Class	Types	Odor of the Same Class
Violet	Violet	Cassie, Orris Root, Mignonette
Spice	Cinnamon	Cassia, Nutmeg, Mace, Pimento
Clove	Clove	Carnation, Clove
Citrine	Lemon	Bergamot, Orange, Limette
Aniseed	Aniseed	Badiene, Caraway, Dill, Coriander, Fennel
Mint	Peppermint	Spearmint, Balm, Rue, Sage
Fruit	Pear	Apple, Pineapple, Quince

## Classification of Zwaardemaker 1857 - 1930

Hendrick Zwaardemaker classified odors according to their major content:

1. Amyl Acetate
2. Nitrobenzene
3. Terpeneol
4. Ethyl Sulfate
5. Guaiacol
6. Valerianic Acid
7. Pyridine
8. Skatol

He further classified the odors in nine groups:

- |                          |                                                 |
|--------------------------|-------------------------------------------------|
| 1. Ethereal:             | Fruits, Beeswax, Ethers                         |
| 2. Aromatic:             | Camphor, Cloves, Lavender, Lemon, Bitter almond |
| 3. Balsamic or Fragrant: | Flowers, Violet, vanilla and Coumarin           |
| 4. Ambrosial:            | Amber, Musk                                     |
| 5. Alliaceous:           | Sulfureted hydrogen, Arsine, Chlorine           |
| 6. Empyreumatic:         | Roast coffee, Benzene                           |
| 7. Caprylic:             | Cheese, Rancid fat                              |
| 8. Repulsive:            | Deadly nightshade, Bedbug                       |
| 9. Nauseating or fetid:  | Carrier, Faeces                                 |

## Classification of Henning 1885

Hans Henning a german chemist made the following classification:

1. Flowery: Heliotrope, coumarin, geranium
2. Fruity: Orange oil, bergamot oil, citronellal
3. Resinous or balsamic: Turpentine, eucalyptus oil, canada balsam
4. Burnt: Pyridine, tar
5. Putrefaction/Foul: Sulfureted hydrogen, carbon disulfide
6. Spicy: Cloves, fennel, anise

## Duration of Evaporation Table, W.A. Poucher - 1923

## Top Notes

#	Aroma Material	Odor Description
1.	Acetophenone -	Floral sweet reminiscent of hawthorne.
	Almonds -	Nutty.
	Amyl Acetate -	Powerful fresh fruity banana, pear apple odor.
	Benzaldehyde -	Powerful fruity sweet odor of bitter almonds.
	Benzyl Acetate -	Fresh light fruity jasmin like.
	Ethyl Acetate -	Refreshing fruity ethereal.
	Ethyl Aceto Acetate -	Heavy ethereal sweet rum like odor.
	Iso Butyl Acetate -	Sweet and recalling raspberry and pear.
	Methyl Benzoate -	Heavy deep sweet floral reminiscent of tropical flowers.
	Niaouli Oil -	Principal odor is cineole, cool camphoraceous.
2.	Benzyl Formate -	Powerful, earthy, green leafy floral odor.
	Bois De Rose Oil -	Rose with a citrus fruity like odor.
	Ethyl Benzoate -	Warm fruity floral.
	Limes Distilled -	Fruity sweet tart like lime odor.
	Linalool -	Light and refreshing floral.



Mandarin -	Fruity sweet mandarin orange like odor.
Methyl Salicylate -	Herbaceous, ratty fruity odor of wintergreen.
Octyl Acetate -	Fruity, slightly fatty, waxy with a green apple like smell.
Phenyl Ethyl Acetate -	Sweet fruity rose honey, suggestive of green rose leaves.
Phenyl Ethyl Formate -	Powerful, green leafy rose like.
Phenyl Ethyl Propionate -	Herbaceous rosy, deep fruity.
Phenyl Ethyl Salicylate -	Faintly sweet floral rose like odor.
3. Benzyl Cinnamate -	Faintly sweet balsamic, with floral background.
Coriander Oil -	Warm, spicy.
Para Cresyl Methyl Ether -	Dilution - floral narcissus, and ylang ylang.
Para Cresyl Acetate -	Penetrating, suggestive of horse urine, dilution, - narcissus.
Para Cresyl Iso Butyrate -	Narcissus type.
Decyl Formate -	Sweet, and sharp orange rose.
Di Methyl Benzyl Carbinol -	Woody rose.
Di Methyl Benzyl Acetate -	Floral sweet odor of jasmin, lily.
Ethyl Salicylate -	Heavy sweet floral fruity reminiscent of wintergreen oil.
Myrrh Oil -	Attractive slightly spicy, and aromatic.
Octyl Iso Butyrate -	Green herbaceous.
Pennyroyal Oil -	Fresh, minty odor.
Petitgrain Paraguay -	Floral woody odor.
Sassafras Oil -	Fruity reminiscent of ocotea cymbarium.
Spearmint Oil -	Mint, fresh spearmint.

	Terpineol -	Delicate floral reminiscent of lilac.
4.	Di Methyl Octanol -	Dry floral rose.
	Cumin Oil -	Terpenic, phenolic, reminiscent of the spice itself.
	Citronellol -	Floral rose.
	Eucalyptus Oil -	Camphoraceous.
	Geranyl Benzoate -	Floral rose balsamic.
	Lavender Oil -	Sweet floral herbacious.
	Methyl Butyrate -	Penetrating and diffusive sweet ethereal.
	Myrtle Oil -	Distince spicy, and camphoraceous.
	Nonyl Aldehyde -	Powerful and diffusive floral type odor.
	Phenyl Ethyl Alcohol -	Warm floral rose.
	Sage Oil Dalmation -	Powerful and camphoraceous.
	Methyl Salicylate -	Pungent, sweet reminiscent of wintergreen oil.
5.	Di Methyl Acetophenone -	Intense sweet floral, dilution - mimosa like.
	Ethyl Phenyl Acetate -	Sweet warm honey like.
	Neroli Oil -	Sweet spicy orange blossom.
	Nonyl Acetate -	Slightly harsh earthy with fruity green note.
	Terpinyl Acetate -	Herbaceous sweet refreshing spicy.
	Para Toly Aldehyde -	Warm and mildly floral sweet spicy Rem of benzaldehyde.
6.	Bay Oil -	Powerful spicy, and sweet.
	Bergamot Oil -	Fruity sweet, orange.

Caraway Oil -	Intense, and spicy.
Cedrat Oil -	Fruity, a mixture of citrus oils.
Citronellyl Formate -	Floral rose leafy like, reminiscent of geranium leaves.
Copaiba Oil -	A mild, but fresh peppery odor.
Iso Butyl Phenyl Acetate -	Warm, musk honey like.
Linalyl Benzoate -	Floral slightly balsamic.
Phenyl Ethyl Benzoate -	Warm floral rose slightly balsamic.
Phenyl M Carbinyl Acetate -	Powerful and penetrating green floral, dil - more fruity.
Grapefruit Oil -	Sweet fruity citrus grapefruit.
7. Amyl Propionate -	Sweet fruity odor of apricot and banana.
Aniseed -	Fruity herbaceous, licorice like.
Benzyl Iso Butyrate -	Heavy fruity odor.
Benzyl Propionate -	Fruity sweet, excellent fixative.
Ethyl Heptoate -	Powerful fruity wine like odor.
Geraniol, Java -	Sweet floral rose.
Ginger Oil -	Spicy, ginger bread like.
Methyl Octine Carbonate -	Green violet leaf like odor.
Nonyl Alcohol -	Peculiar oily floral odor recalling rose and neroli in dilution.
Peppermint Japanese -	Mint, peppermint, sweet.
Rue Oil -	Fatty, oily with a fruity floral aspect slightly herbaceous.
Tansy Oil -	Spicy camphoraceous type odor.
Thyme Oil White -	Strong spicy, medicinal.

Violet Abs. -	Floral slightly green leaf like.
Geranyl Iso Butyrate -	Fruity sweet rose.
Decyl Acetate -	Sharp orange rose.
8. Amyl Salicylate -	Sweet herbaceous green slightly floral.
Benzyl Salicylate -	Faintly sweet, balsamic.
Cedarwood Oil -	Reminiscent of smelling cedar chest.
Citronella Oil Ceylon -	A fresh grassy odor.
Citronellyl Acetate -	Floral rose, slightly sweet.
Ethyl Anthranilate -	Sweet, grape like.
Geraniol Ex Palmarosa -	Sweet floral rose from palmarosa oil.
Iso Butyl Benzoate -	Pleasant eglantine odor.
Iso Butyl Salicylate -	Harsh herbaceous floral reminiscent clover and orchid.
Lemon Oil Of California -	Sweet fruity lemon.
Linalyl Propionate -	Floral, slightly sweet fruity.
Nerol -	Refreshing wet sea shore like floral rose.
Rose Otto French -	Floral rose nice and light.
Wormseed Oil -	Narcotic like, aphrodisiac.
Phenyl Ethyl Valerate -	Fruity rose herbaceous, tobacco like note.
9. Geranyl Butyrate -	Sweet fruity floral rose.
Iva Oil -	Intense and aromatic cool camphoraceous odor.
Laurel Leaf Oil -	Fresh spicy somewhat camphoraceous.

Methyl Anisate -	Sweet delicate floral, reminiscent of linden blossom, magnolia.
Neryl Acetate -	Fruity sweet rosy raspberry like.
Peppermint, American -	Mint, sweet peppermint.
Spike Lavender -	Floral herbaceous with cool effect.
Tagette Oil -	Intense somewhat fruity & cloying, dilution resembles apples.
Thyme Oil Red -	Powerful, and spicy.
10. Absinthe Oil -	An aphrodisiac liqueur popular in early 1920's.
Camomile -	Herbaceous floral.
Di Phenyl Methane -	Harsh geranium leaf, orange flower.
Di Phenyl Oxide -	Harsh green floral geranium rose.
Ethyl Anisate -	Mild, sweet anisic, fennel like.
Lavandin Oil -	Floral lavender, nice and sweet.
Methyl Phenyl Acetaldehyde -	Powerful, refreshing, fruity, sweet floral note.
Orange Oil Bitter -	Bright bitter odor of oranges.
Phenyl Propyl Propionate -	Heavy and sweet, but pleasant floral.
Methyl Eugenol -	Warm spicy clove like.
11. Amyl Butyrate -	Sweet fruity plum like.
Carrot Seed Oil -	Characteristic, and vegetable soup like.
Cubeb Oil -	Characteristic, and peppery.
Decyl Alcohol -	Sweet, fatty oily, rose character.
Galbanum Oil -	Green woody like.

Hyacinth Abs. -	Sharp penetrating leaf like becomes hyacinth in dilution.
Immortelle Abs. Incolore -	Everlasting Abs., Rem of rose, orange flower, camomile.
Kuromoji Oil -	Powerful, and balsamic.
Linalyl Cinnamate -	Floral balsamic, lily, jasmine type.
Linalyl Formate -	Fresh citrusy, green, bergamot like.
Lovage Oil -	Persistent, and spicy, reminiscent of angelica root oil.
Matico Oil -	Intense and reminiscent of pepper, cubeb, and mint.
Narcisus Abs. -	Hay like and spicy, dilution - typical of the flower.
Nutmeg Oil -	Warm spicy aromatic odor.
Octyl Alcohol -	Powerful and fresh waxy orange rose character.
Opoponax Oil -	Balsamic, spicy.
Orange Oil Sweet -	Fruity sweet orange like.
12. Methyl Cinnimate -	Sweet balsamic, dilution - strawberry.
Methyl Heptine Carbonate -	Floral.
Petitgrain Oil -	Floral woody.
Phenyl Ethyl Cinnimate -	Sweet floral balsamic rose.
Terpinyl Propionate -	Mild, fruity sweet balsamic character.
Amyl Benzyl Ether -	Reminiscent of gardenia.
13. Para Cresyl Phenyl Acetate -	Tenacious narcissus, jonquil type.
Elemi Oil -	Fresh spicy lemon.
Orris Concrete -	Floral violet like.

	Phenyl Propyl Alcohol -	Sweet balsamic floral.
14.	Basil Oil -	Fresh, somewhat herbaceous penetrating oil.
	Cananga Oil -	Sweet and floral jasmin like.
	Fennel Oil -	Sweet odor of aniseed.
	Lemongrass Oil -	Verbena green like.
	Mastic Oil -	Balsamic, recalls turpentine oil.
	Middle Notes	
	Methyl Ionone -	Floral violet like.
	Palmarosa Oil -	Sweet floral rose.
	Phenyl Propyl Acetate -	Sweet, floral fruity, and mildly balsamic odor.
	Phenyl Propyl Iso Butyrate -	Tenacious fruity balsamic, sweet character.
	Reseda Abs. -	Intense herbaceous green, watercress like tone.
15.	Anisyl Acetate -	Mild fruity floral, slightly balsamic.
	Cinnamyl Acetate -	Tenacious sweet, woody, rose - vetivert odor.
	Cinnamyl Formate -	Green herbaceous, dry balsamic.
	Citronella Java -	Verbena.
	Dill Seed Oil -	Sweet, spicy and somewhat minty.
	Guaicwood Oil -	Balsamic and sweet, recalling tea roses.
	Heliotropine -	Sweet warm floral slightly spicy, dilution - cherry pie.
	Skatole -	A choking, indole like odor.
	Styrax Oil -	Balsamic sweet.

- Rose Otto, Bulgarian - Sweet floral rose.
16. Amyl Anisate - Soft fragrant, suggestive of heliotrope.  
Eugenol - Powerful warm spicy clove like odor.  
Phenyl Propyl Phenyl Acetate - Warm floral musk animal like odor.  
Serpolet Oil - Spicy, see thyme oil wild.
17. Melissa Oil - A herbaceous fruity verbena oil.  
Tetra Hydro Geraniol - Harsh floral rose odor.
18. Calamus Oil - Earthy and aromatic, reminiscent of patchouli.  
Majoram Oil - Tenacious, and reminiscent of nutmeg and mint.  
Orris Abs. - Floral green violet like odor.  
Phenoxy Ethyl Iso Butyrate - Fruity sweet, rosy floral.  
Styrollyl Valerianate - Woody.  
Violet Leaves Abs. - Floral violet leafy green type odor.
19. Phenyl Ethyl Iso Butyrate - Warm sweet floral rose.  
Verbena Oil - Fresh fragrant citrus oil.
20. Clary Sage Oil - Reminiscent of ambergris, musk, neroli and lavender.
21. Amyl Benzoate - Balsamic, sweet, slightly ambergris.  
Angelica Seed Oil - A mixture of musk and pepper with a spicy top note.  
Anisaldehyde - Powerful sweet floral, recalling hawthorne.



	Elemi Resin -	Fresh, spicy lemon.
	Indole -	A powerful choking odor, extreme dilution - floral jasmin.
	Ionone Alpha -	Floral violet.
	Ionone Beta -	Floral woody violet like odor.
	Methyl Anthranilate -	Grape like linden orange blossom.
	Myrrh Resin -	Attractive, slightly spicy, and aromatic.
	Rosemary Oil -	A floral odor reminiscent of certain notes of lavender.
22.	Benzyl Iso Eugenol -	Sweet floral carnation like odor.
	Cinnamon Leaf Oil -	Sweet spicy odor.
	Cinnamyl Propionate -	Fruity balsamic.
	Cloves -	Warm spicy eugenol like odor.
	Geranyl Formate -	Floral rose sweet green leafy like.
	Linalyl Anthranilate -	Floral grape like odor.
	Orange Flower Water Abs. -	Sweet woody floral odor.
	Phenyl Cresyl Oxide -	Warm odor.
23.	Broom Abs. -	Sweet and honey like.
	Methoxy Acetophenone -	Musty hawthorne type odor.
	Parsley Oil -	Herbaceous and spicy, typical of the fresh plant.
24.	Anisyl Acetate -	Sweet floral with a delicate vanilla note.
	Araucaria Oil -	Pleasant rose type.
	Cinnamon Bark -	Spicy.

Ethyl Cinnimate -	Balsamic odor, in dilution orange preserves like.
Ethyl Furfurhydracrylate -	Somewhat woody, warm, tea like slightly floral.
Geranium, African, French -	Geranium rose.
Geranyl Acetate -	Sweet floral rose.
Jonquille Abs. -	Contains jasmine, rose, stroyl acetate, traces basil.
Ylang Ylang, Manilla -	Fruity sweet floral odor with a spicy note.
25. Methyl Iso Eugenol -	Warm sweet spicy odor.
26. Eucalyptus Citiodota -	Camphoraceous cool odor.
Iso Butyl Methyl Anthranilate -	Ethereal sweet fruity grape like odor.
Methyl Phenyl Acetate -	Warm honey sweet floral odor.
27. Citronellyl Benzoate -	Warm slightly sweet floral rose balsamic odor.
28. Cinnamyl Butyrate -	Mild and fruity balsamic.
29. Cascarilla Oil -	Aromatic and slightly peppery.
Geranium Bourbon -	Geranium rose.
30. Ambrette Seed Oil -	A warm animal musk odor.
Cardamon Oil -	Balsamic slightly spicy odor.
Gingergrass Oil -	Spicy, herbaceous.
31. Orange Flower Abs. -	Warm slightly spicy, bitter orange type.
32. Ethyl Laurinate -	Mild, oily fatty with a fruity flowery character.

- P M Hydro Cinnamic Aldehyde - Powerful sweet, warm floral heliotrope type.
33. Zdravets Oil - Persistent and reminiscent of clary sage.
34. Celery Root Oil - Persistent spicy, celery like and characteristic.
35. Di Methyl Anthranilate - A sweet grape like odor.
38. Hop Oil - Typical harsh, and bitter odor.
40. Hyssop Oil - Sweet and camphoraceous.
- Rhodinyl Propionate - Fruity sweet rose like odor.
- Ylang Ylang, Bourbon - Fruity sweet floral odor with a spicy note.
41. Mace Oil - Typical of the nutmeg, and spicy.
42. Acetyl Iso Eugenol - Carnation like spicy odor.
- Amyl Cinnamate - Balsamic, mild amber, cocoa bean like.
43. Eugenyl Formate - Warm woody dry odor with a slight green tone.
- Iso Butyl Cinnamate - Balsamic
- Jasmin Abs. - Fruity sweet floral jasmin.
- Rose Abs. - Floral rose.
- Tuberose Abs. - Peculiar almost over powering floral odor.
45. Bornyl Acetate - Sweet herbaceous reminiscent of pine needles.
- Cassia Oil - Intense and cinnamon like.

47. Anisic Alcohol - Mild floral sweet odor reminiscent of lilac and hawthorne.
50. Phenyl Propyl Aldehyde - Floral hyacinth lilac, balsamic green type.  
Undecylic Alcohol - Floral fruity, slightly fatty character.  
Neroli Bigarade - Sweet, spicy orange blossom.
54. Cedryl Acetate - A faint woody cedar odor.
55. Nerolidol - A delicate floral green odor.
60. Benzyl Phenyl Acetate - Fruity warm honey like odor.  
Citral - A strong lemony odor.  
Rhodinyl Formate - A green leafy floral rose like odor.
62. Amyl Phenyl Acetate - A warm sweet honey fruity odor.
65. Cinnamic Alcohol - A balsamic floral odor.
70. Linalyl Salicylate - Very mild musk sweet, faint floral.  
Jasmin Decolore - A colorless floral jasmin sweet odor.
- Base Notes
73. Cassie Abs. Farnesiana - A floral spicy type odor.
77. Methyl Naphthyl Ketone - Sweet floral orange blossom.
79. Civet Abs. - A strong fecal like odor of the civet cat.
80. Hydroxycitronellal - A delicate sweet refreshing muguet floral odor.

85. Ph Acetldehyde Di Me Acetal - Intense green leafy odor.
87. Octyl Aldehyde - Powerful harsh fatty sweeter & more orange in dilution.
88. Ethyl Methyl Phenyl Glycidate - Sweet fruity strawberry like.
89. Cyclamen Aldehyde - A green floral stem like odor.
90. Galbanum Resin - A sharp musky balsamic odor.
- Opoponax Resin - Balsamic and reminiscent of olibanum.
- Orris Oleo Resin - Woody violet like.
- Rhodinyl Acetate - A sweet floral rose.
- Santal Australian - Woody sandalwood like.
- Tarragon Oil - Powerful and persistent reminiscent of anise.
- Jasmin Chassis Incolore - A fruity sweet colorless floral jasmin odor.
91. Phenyl Ethyl Phenyl Acetate - A warm honey rose odor.
- Undecalactone - Peach.
94. Angelica Root Oil - Pleasant aromatic, mixture of musk and pepper, spicy top.
- Birch Bud Oil - Balsamic.
96. Arnica Flowers - The odor has a heady odor.
100. Acetate Eugenol - Sweet spicy.
- Ambergris Extract, 3 % - Animal.
- Amyl Cinnamic Aldehyde - Oily floral material reminiscent of many types of flowers.

Amyl Oxy Iso Eugenol -	Heavy sweet, balsamic floral, faintly spicy odor.
Benzoin -	Sweet warm balsamic.
Benzophenone -	A faint geranium rose like odor.
Birch Tar Oil -	A powerful woody smoky, phenolic odor.
Castoreum Abs. -	An animal odor of the castoreum beaver.
Cinnamic Alcohol -	Faintly sweet balsamic floral odor.
Costus Oil -	A woody odor reminiscent of old precious wood.
Coumarin -	Sweet herbaceous warm slightly spicy, in dilution hay like.
Cypress Oil -	Powerful warm spicy.
Decyl Aldehyde -	Powerful waxy orange peel like odor.
Ethyl Vanillin -	Sweet warm vanilla like odor.
Gamma Nonyl Lactone -	Creamy coconut, fruity.
Guaicwood Oil -	Balsamic and sweet recalling tea roses.
Immortelle Abs. -	Everlasting absolute.
Iso Eugenol -	A warm floral carnation like odor.
Iso Eugenol Phenyl Acetate -	A honey spicy like floral odor.
Labdanum -	A powerful sweet odor recalling ambergris.
Linalyl Phenyl Acetate -	A floral honey like odor.
Methyl Nonyl Acetaldehyde -	Powerful and diffusive, slightly orange with dry ambre tone.
Musks Artificial -	An animal musk like odor.
Oakmoss -	Moss.
Olibanum Oil & Resin -	Highly balsamic and spicy.

Patchouli Oil -	Sweet, outstanding herbaceous odor.
Pepper Oil -	Reminiscent of black pepper.
Peru Balsam -	Balsamic sweet reminiscent of vanilla.
Phenyl Acetic Acid -	Sweet animalic honey like.
Pimento Oil -	Fragrant and balsamic resembling clove, cubeb, nutmeg.
Rhodinyl Phenyl Acetate -	A sweet honey rose like odor.
Sandalwood East Indies -	Woody slightly sweet sandalwood odor.
Storax Resin -	Balsamic.
Santalyl Phenyl Acetate -	A woody sweet honey odor.
Tolu Balsam -	Warm balsamic, hyacinth like.
Tonka Resinoid -	Pleasant and herbaceous with slight caramel & coumarin.
Aldehyde C - 11 -	Powerful waxy floral odor with fruity overtones.
Vanillin -	Sweet fruity warm vanilla like odor.
Vetivert -	Sweet, dry woody of the sandalwood type.

## Chart of Perfume Raw Materials 1951 - Jill Jessee

Classification	Sources	Processes	Principal Uses
FLOWERS:			
Acacia	Southern France; also Russia and Syria.	Extraction with volatile solvents; also maceration.	In acacia perfumes and in floral bouquets. Artificial acacia has a may blossom note.
Cassie	Provence, Algeria, Egypt, and Syria	Extraction with volatile solvents; also maceration	A note giver in many pleasing bouquets. Expecially useful in violet perfumes.
Hyacinth	Grasse region; also Holland.	Extraction with volatile solvents	Similar in use to narcissus and jonquil.
Jasmin	South of France: also Sicily the Italian Riviera, Egypt Algeria, Eritrea, Ethoia Palastine, Syria, Madeira, French Guiana, Arabia India, and Taiwan.	Enfleurage; also extraction with volatile solvents.	In jasmin perfumes and in pratically all types of perfumes. Imparts smoothness and "life.
Jonquil	Southern France & Algeria	Extraction with volatile solvents; also maceration. Very occasionally, enfleurage.	Used similarly to narcissus.
Mimosa	Southern France.	Extraction with volatile solvents.	In floral colognes and in perfumes as honeysuckle & heliotrope; and also in floral bouquets and soaps.



Narcissus	Southern France & Holland.	Extraction with volatile solvents; also maceration.	For single flower note or floral bouquets. Intense and powerful.
Orange Flower	Provence, Algeria, Italian Riviera, Egypt, Calabria, and Comoro Islands.	Extraction with volatile solvents; also distillation and maceration.	Blends with floral bouquets especially those of a heavier type. Gives a full, flowery note. Oil from bitter orange tree has a suggestion of jasmin.
Rose	Valley of the Roses in Bulgaria; also southern France.	Extraction with volatile solvents; also distillation and maceration.	In rose perfumes and floral bouquets. Often in conjunction with jasmin. Lends richness, depth and smoothness. Persistent.
Tuberose	Southern France.	Enfleurage; also extraction with volatile solvents.	To bring out a gardenia or narcissus note. Combines with Hyacinth and Jonquil. Also used in floral bouquets and certain oriental perfumes.
Violet	Southern France & also Italy.	Both flowers and leaves by extraction with volatile solvents; also maceration.	Although real violet oil is used sparingly in the finest perfumes, ionones must supplement it; and in less expensive perfumes, talcums & sachets having a violet note no real violet oil is used.
Ylang Ylang	Philippines, Madagascar, Reunion, Nossi Be, Comoro Islands.	Distillation; also extraction with volatile solvents.	Good lift to Oriental perfume. Blends well with jasmin, lily, & violet. Indispensable to lilac. Rounds out harsh notes. Acts as a modifier.
GRASSES:			
Citronella	Java and Ceylon; also Guatemala.	Distillation.	In soaps and less expensive perfumes for honey, cologne, rose, carnation, &

			other floral notes. The Java type is valued for its geraniol and other derivatives, especially, hydroxycitronellal. Useful in developing lily of the valley note.
Gingergrass	East Indies and India.	Distillation.	Resembles palmarosa and used similarly. Geraniol, a constituent.
Lemongrass	India; also East Indies, Madagascar, Brazil, Haiti, Guatemala, Honduras & Florida.	Distillation.	Lemony fragrances - substitutes for verbena in bath salts and colognes. Valued for its citral which is used in constructing ionones.
Palmarosa	East Indies and India.	Distillation.	Gives a rose like fragrance to soaps. Contains geraniol.
SPICES & HERBS:			
Clove	Molucca Islands, also extensively cultivated in Zanzibar, Madagascar, Pemba, Penang, and elsewhere.	Distillation.	Used largely in the synthesis of vanillin. Blended with geranium, bergamot, caraway, cassia, and other scents. Eugenol from clove oil used in making artificial carnation.
Clary Sage	Mediterranean coastal region, especially southern France, Italy, and northern Africa; also Hungary & Russia.	Distillation; also extraction with volatile solvents.	Eau de cologne, and toilet water; also powders, perfumes and sachets. Gives tang.
Costus	Himalayan Mountains.	Distillation.	Rounds out a violet note. Used in oriental blends with vetiver, sandalwood, patchouli, and geranium. Also good with narcissus and

			fougere. An unusual & warm note.
Ginger	Jamaica; also Africa, India, China, & Japan.	Distillation of the rhizomes.	To give an interesting flair to certain oriental blends.
Lavender	Southern France, England, Hungary, and Russia.	Distillation.	In eau de cologne, toilet water; also powders, perfumes and shaving preparations.
Nutmeg	British West Indian islands, Dominica and Grenada; also Zanzibar and Ceylon.	Expression; also distillation.	To give a spicy tang to perfumes. Used especially in lavender water. Also in soaps, pomades, and dentifrices.
Rosemary	Spain, Dalmatia, Morocco, Tunisia, and Turkey	Distillation	Eau de cologne, toilet water, and soaps.
Thyme	In the mountains along the Mediterranean; also Spain, and Morocco.	Distillation.	Primarily in soaps; also important in colognes and some times used in cosmetics.
Vanilla	Mexico; also Madagascar, Tahiti, and Java.	Special Process.	Contains vanillin which is an important ingredient in sachets.
CITRUS PRODUCTS:			
Bergamot	Calabria, Italy.	Expression.	Toilet water, eau de cologne, floral and heavy perfumes, soaps; sometimes in perfumes.
Lemon	Italy, and California.	Expression.	Eau de cologne, Toilet water, and soaps; sometimes in perfumes.
Lime	Dominica, and Montserrat in the British West Indies; also Mexico and Florida.	Expression and Distillation.	Same type of preparations as lemon. Adds freshness.

Petitgrain	Southern France, West Indies, and Paraguay.	Distillation of leaves and twigs from bitter orange tree.	In conjunction with lemon, bergamot, orange, etc. for eau de cologne, toilet water, and soaps.
WOODS:			
Cedarwood	North America.	Distillation.	Basis of many perfumes, violet in particular, and of compounds for scenting cold creams.
Sandalwood	Mysore in southern India and also East Indies.	Distillation	Particularly in oriental compounds. Blends well with rose. Also has a fixative value.
Rosewood	Brazil and Honduras, also French Guiana.	Distillation.	Valued for the linalool derived from it which is used in a tremendous variety of aromatic blends. The complete oil used in rose compounds.
LEAVES & ROOTS:			
Geranium	Reunion, Algeria, southern France.	Distillation of leaves and stems.	In all types of perfumes. Blends well with rose and oriental notes. Important in soap perfumes. Geraniol and rhodinol are derivatives.
Orris	San Palo region of Italy; also southern France and Morocco.	Pulverization for the powder also distillation for the essential oil; and extraction by volatile solvents for the oleo resin.	Resembles violet and used in face powders, sachets, soaps. Usually combined with other odors such as cedarwood, clove, geranium, sandalwood, bergamot etc.
Patchouli	India, Malaysia, Java and Sumatra.	Distillation of leaves.	Generally in oriental perfumes in conjunction with vetivert. Excellent fixative. Gives dry and powdery note.

Vetivert	Java and Reunion; also Central America and Louisiana.	Distillation of roots.	Nearly all perfumes contain some vetivert, especially perfumes of a heavy type.
GUMS & BALSAMS:			
Balsam Peru	El Salvador.	Crude balsam treated with alcohol or benzene.	Excellent fixative for rose, heliotrope, and lilac perfumes. Gives "warmth".
Balsam Tolu	Columbia, South America.	Crude balsam treated with alcohol or benzene.	Wonderful base for heavy perfumes. Excellent for soaps. Also used in incense, and sachets. Has a soft hyacinth like fragrance.
Benzoin	Thailand, Sumatra, and other parts of southeast Asia.	Extraction with volatile solvents.	Fixative for oriental perfume. Adds weight and body. Also used in face creams, nail polishes and hair pomades. Gives a sweet vanilla like fragrance.
Galbanum	Asia Minor and Iran.	Extraction with volatile solvents.	As a fixative in oriental blends.
Labdanum	Macedonia, Thrace, Greece, southern France, Spain, Portugal, Morocco, Crete, and Cyprus.	Extraction with volatile solvents; also distillation.	Very high fixative value. Gives resinous and leathery note to perfumes.
Myrrh	Arabia and Somailand.	Extraction with volatile solvents; also distillation.	As a fixative in perfumes of the oriental type. Also used in mouth washes, dental preparations, and soaps.
Olibanum	Somaliland and Arabia.	Extraction with volatile solvents; also distillation.	Marvelous fixative properties in perfumes of Oriental type, often with musks or ambergris. Also used in face powders and soaps.
Opoponax	Iran, Somaililand, and Arabia.	Extraction with volatile solvents; also distillation.	Excellent fixative. Also used as an incense. Odor

similar to olibanum and somewhat floral.

LICHEN:

Oakmoss	Yugoslavia, Tuscany, southern France, and Morocco.	Extraction with volatile solvents.	One of the finest of all fixatives; also gives an earthy or a woody note to perfumes.
---------	----------------------------------------------------	------------------------------------	---------------------------------------------------------------------------------------

ANIMAL PRODUCTS:

Ambergris ( Sperm Whale )	Most like regions: off the coasts of China, Japan, and Natal in the Republic of South Africa.	Dried and dissolved in alcohol to form tincture.	Fixative. Long lasting and mellowing.
Castoreum ( Beaver )	Canada ( Hudson Bay territory ).	Dried and dissolved in alcohol to form tincture.	Fixative. Also gives a note, or oriental note. Has a birch like fragrance.
Civet ( Civet Cat )	Ethopia.	Dried and dissolved in alcohol to form tincture.	Fixative. Rounds out or bouquets a perfume.
Musk ( Musk Deer )	Tibet primarily.	Dried and dissolved in alcohol to form tincture.	Fixative has the most characteristic animal note.

## Constituents Of The Essential Oils 1990, Dr. Olindo Secondini

1. The nonoxygenated are hydrocarbons of the class commonly known as terpenes, and are are of little importance as perfume material.
2. The oxygenated bodies, probably formed by the oxidation of the hydrocarbons, are:
  - a. Alcohols, formed by the first step in oxidation.
  - b. Aldehydes and ketones, formed by the further oxidation of the alcohols.
  - c. Acids, formed from the aldehydes by a further addition of oxygen.
  - d. Esters, derived from the combination of alcohols, and acids.
  - e. Ethers, derived from alcohols by the elimination of water.

## 1 Hydrocarbon Constituents of Essential Oils

	Hydrocarbon	Essential Oils
1.	Pinene	Turpentine
2.	Camphene	Ginger, spike, citronella, valerian
3.	Fenchene	Turpentine
4.	Limonene	Orange peels, lemon, bergamot, fir, camphor
5.	Silvestrene	Turpentine
6.	Phellandrene	Fennel, elemi, eucalyptus
7.	Terpinene	Cardamon
8.	Terpinolene	Cardamon
9.	Cadinene	Cade
10.	Caryophyllen	Clove
11.	Cumene	Cumin, cyminum thyme
12.	Styrene	Styrax

## 2. Alcohol Acid Ester Constituents of Essential Oils

	Alcohols	Acids	Essential Oils
1.	Methyl		Clove
		Salicylic	Wintergreen
		Benzoic	Niobe
2.	Ethyl	Formic	Rum

		Acetic	White wine, vinegar, cognac
		Butyric	Pineapple
		Iso Valeric	Apple
		Pelargonic	Cognac
3.	Iso Butyl		
		Iso Butyric	Chamomile
		Angelic	Chamomile
4.	Iso Amyl	Acetic	Pear
		Iso Valeric	Apple
		Caprylic	Cognac
5.	Rhodinol Geraniol		Rose, geranium, citronella, Lemongrass
		Acetic	Neroli
6.	Linalool		Linaloes, bergamot, lavender, neroli, jasmine
		Acetic	Bergamot, neroli
7.	Citronellol		Rose, citronella
8.	Furfurol		Coffee
9.	Borneol		Camphor, rosemary
		Acetic	Pine
		Iso Valeric	Valerian
10.	Terpineol		Cajeput, cardamon
11.	Menthol		Peppermint
12.	Eucalyptol		Wormseed, eucalyptus
13.	Peruviol		Balsam Peru
14.	Benzyl		Jasmine
		Acetic	Jasmine
		Benzoic	Balsam Peru
15.	Cinnamic	Cinnamic	Styrax

### 3. Aldehyde Constituents of Essential Oils

	Aldehydes	Essential Oils
1.	Citral	Lemon, lemongrass
2.	Citronellal	Citronella, lemon, eucalyptus
3.	Furfural	Clove
4.	Benzaldehyde	Bitter almond, laurel
5.	Phenylacetaldehyde	Neroli, hyacinth
6.	Cinnamic	Casia, cinnamon
7.	Cuminic	Caraway
8.	Salicylic	Spiraea
9.	Anisic	Hawthorn
10.	Vanillin	Vanilla, benzoin, balsam peru



11. Heliotropin Spiraea

4. Acid and Acid Anhydride Constituents of Essential Oils

Acid & Acid Anhydrides	Essential Oils
1. Angelic	Chamomile
2. Tiglic	Chamomile, croton
3. Benzoic	Balsam Peru, benzoin, balsam tolu
4. Cinnamic	Balsam Peru, balsam tolu, benzoin, styrax
5. Coumarin	Tonka beans, woodruff

5. Ketones Constituents of Essential Oils

Ketones	Essential Oils
1. Methyl Amyl	Clove
2. Methyl Nonyl	Rue
3. Methyl Heptenone	Linaloes, lemongrass
4. Pseudo Ionone	Linaloes, lemongrass
5. Carvone	Caraway
6. Camphor	Camphor
7. Fenchone	Fennel, thuja
8. Thujone	Thuja, tansy, absinthe
9. Pulegone	Pennyroyal
10. Menthone	Peppermint
11. Irone	Orris root
12. Ionone	Orris root

6. Phenol and Phenol Ester Constituents of Essential Oils

Phenol & Phenol Esters	Essential Oils
1. Para Cresol Methyl Ether	Ylang Ylang
2. Guaicol	Beech tar, birch tar
3. Cresol	Birch tar
4. Anethol	Anise, fennel
5. Chavicol	Betel
6. Estragol	Estragon
7. Eugenol	Clove
8. Thymol	Thyme
9. Safrol	Sassafras, camphor

## 7. Nitrogenous Compound Constituents of Essential Oils

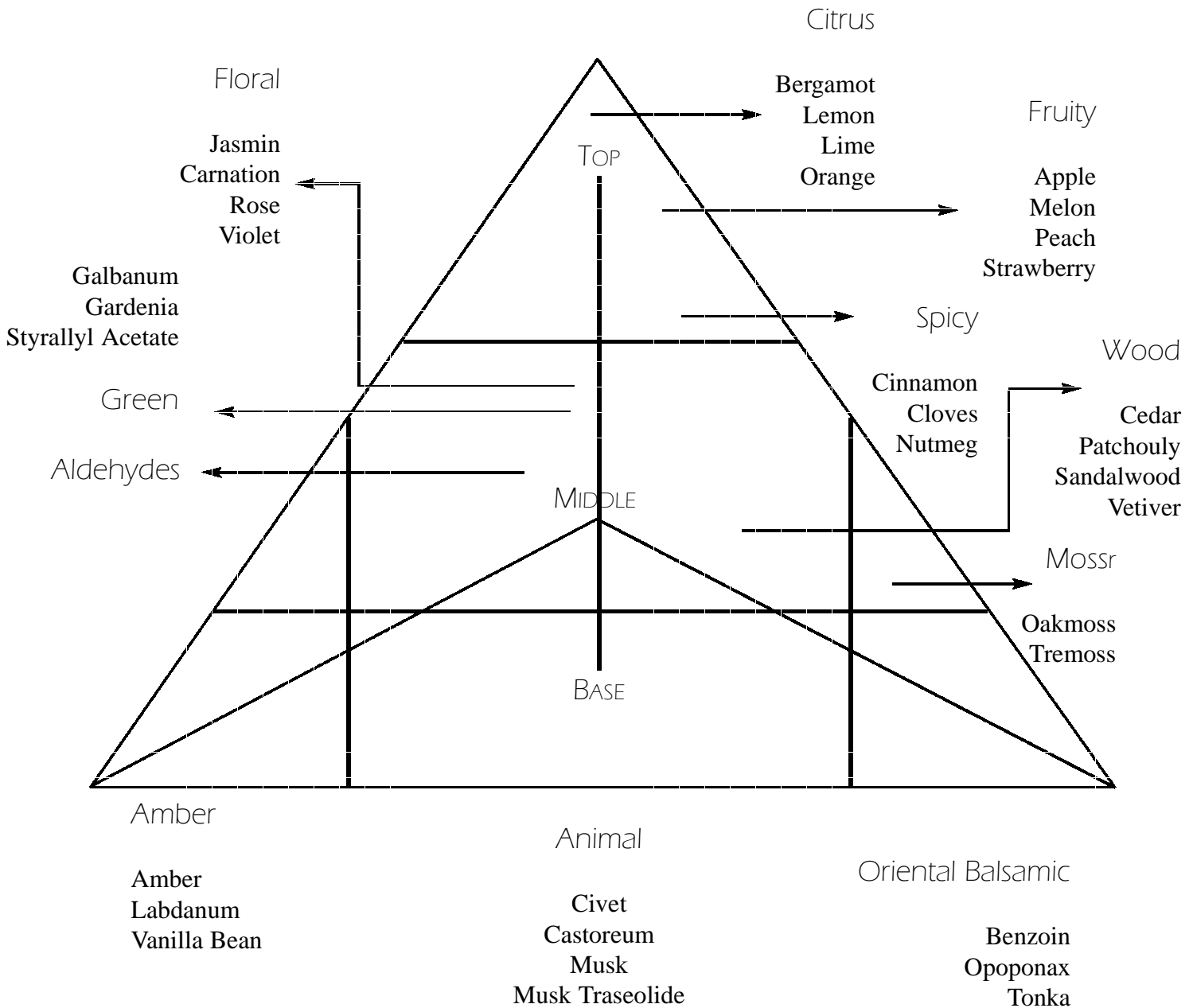
	Nitrogenous Compounds	Essential Oils
1.	Trimethylamine	Chenopodium
2.	Prussic acid	Bitter almond, laurel
3.	Allyl mustard oil	Mustard, horseradish,
4.	Pyrrrol	Unripe orange
5.	Indole	Jasmine
6.	Benzyl cyanide	Cres
7.	Mandelic nitrile	Almond
8.	Tonquinol	Baur's musk
9.	Anthranilic methyl ester	Jasmine, orange flower

## Odorphone of Piesse

F	Civet	Animal	High Note
E	Verbena	Green	
D	Citronella	Grassy	
C	Pineapple	Fruity	
A	Lavender	Herbaceous floral	
G	Magnolia	Heavy sweet floral	
F	Ambergris	Animal	
E	Cedrat	Citrus	
D	Bergamot	Fruity	
C	Jasmine	Floral fruity	
B	Mint	Mint	
A	Tonquin Bean	Coffee	Treble or G Cleff
G	Syringa	Floral, mock orange	
F	Jonquil	Floral, sweet	
E	Portugal	Evergreen shrub with white flowers	
D	Almond	Bitter almond	
C	Camphor	Camphoraceous cool	

	B	Southernwood	Woody	
	A	( New Hay )	Herbaceous	
	<hr/>			
	G	Orange Flower	Woody Floral	
F A C E				
	F	Tuberose	Heavy floral, narcotic	
Every Good Boy Deserves Fudge				
	E	Acacia	Orange flower	
	D	Violet	Orris	Low

Fine Woman's Fragrance - L'Air du Temps



The Scent Pyramid

The florals represent the soul of every feminine perfume. They are basically middle notes. Nevertheless, as you can see, they also play an important role in the development of the top and the base of the fragrance.

The citrus, first of the top notes, also play a fairly important role in the development of the middle of a fragrance. Then come the green notes, the fruity notes, and lastly the aldehydes, pure aroma chemicals with no bases in nature, which are used to give diffusion and originality to a fragrance.

From there, we move on to the base notes, which include the spices ( which may also play an important role in the development of the top of the fragrance), the mosses, the woods, the oriental/balsamic, the animal and the amber notes.

A triangle such as the outside one will give you a fragrance such as L'Air du Temps. The narrow inside triangle with its emphasis on the top notes shows a fresh fragrance such as Diorella. The wide triangle with its emphasis on the base notes illustrates a fragrance such as Shalimar.

While this is a very much a generalization, by varying the form of the triangle one can obtain an idea of the performance of a fragrance and of the corresponding raw materials which go into its development.

The above should not be interpreted as an attempt to reduce a perfume to a mere triangle: the grandeur of a fragrance comes from its richness, not from its austerity. Nevertheless, the triangle approach seems the most apt for visually translating notions which we all know are particularly difficult to grasp and express.

L'Air du Temps / Ricci - Floral Floral

Top Notes	Bergamot Rosewood, Neroli Peach, Spice Notes	Fresh Flowery
Middle Notes	Clove Rose de Mai, Ylang-Ylang Orris, Orchid, Lily	Floral Spicy
Base Notes	Sandalwood, Musk Vetiver, Benzoin, Cedar Amber, Moss	Mild Powdery Feminine

## Evaluation Groupings

## Alphabetical Listing

173	Adolfo	269	Ambush
357	Affinity Shampoo Type	091	Amour
021	Agree	231	Anais
116	Alcoholic Finished Compounds	051	Anise ( Licorice )
343	Aldehydic Citrus	003	Aphrodisia/Aphrosia
120	Aldehydic Floral	020	Apple Apple Combo
158	Aldehydic Floral Green	006	Apple Blossom
166	Aldehydic Fruity	007	Apricot
122	Aldehydic Woody ( Elan Type )	254	Aquamarine
123	Aldehydic Woody Floral Amber	255	Aqua Velva
104	Aldehydic Woodsy Mossy	335	Aqua di Selva
121	Aldehydic Woody Spice Floral	356	Aramis
252	Aliage	357	Aramis Combo
004	Almond	324	Arden - Sandalwood
036	Almond - Honey ( Jergen's Type )	258	Arpege
347	Alph - Keri	260	Audace

005	Amber - Ambergris ( Moss )	121	Aldehydic Woody
025	Amber Citrus	129	Avocado
123	Amber, Aldehydic Woody Floral	228	Azzaro
161	Amber ( Oriental ) Fougere	261	Baby J Powder Type
262	Baby J Shampoo Type	268	Breck Type
011	Bain De Soliel	245	British Sterling
212	Bakery Odor	269	Brut
263	Bal A Versailles	133	Butterscotch
009	Balsam	270	Cabocharde
008	Banana	271	Calandre
130	Bases, Intermediates, Keys	272	Caleche
131	Basil	273	Camay
012	Bayberry, Winterberry, Snowberry	269	Canoe
264	Bellodgia/Caron	135	Caramel
125	Bergamot	136	Caraway
265	Bill Blass/Lauren	356	Caress Bar Soap
153	Blackberry	014	Carnation
002	Black Current/Cassis	264	Caron - Bellodgia
176	Blossom, Linden	137	Carrot
132	Blueberry	282	Cassie
238	Blue Jeans	117	Cassia ( Cinnamon )
266	Blue Grass	002	Cassis/Black Current



001	Body Basics (Arden)	015	Cashmere
163	Bounce	138	Cedar Types,
107	Bouquet Spice	139	Chamomile
311	Bracer Skin ( Mennen )	304	Chamade
267	Braggi	140	Champagne
275	Chanel # 5 ( Prophecy )	220	Citrus Pine
276	Chanel # 19	126	Citrus Spice
277	Chanel # 22	043	Civet
237	Chanel For Men	086	C. Klein
099	Chantilly ( Oriental Citrus Amber )	244	Clinique
230	Chaps	147	Clove
278	Charlie	019	Clover
017	Cherry	207	Coast Type
236	Chimere	224	Cocoa Butter
086	Chloe ( C.Klein, Jontue, Tuberose )	148	Coconut
141	Chocolate	149	Coffee, Mocha
018	Chypre	200	Cognac
346	Chypre Oriental	227	Cola/Egg Nog
059	Cialenga	116	Compounds Alcoholic
117	Cinnamon ( Cassia )	150	Coriander
143	Citronella	222	Coppertone
343	Citrus Aldehydic	354	Courreges Pour Un Homme

025	Citrus Amber	151	Cranberry
204	Citrus Bouquet ( Open )	279	Crepe de Chine
144	Citrus Floral	213	Cristalle
145	Citrus Lavender ( Lysol )	022	Cucumber
146	Citrus Leather	280	Cuir de Russie ( Russian Leather )
099	Citrus Orientals ( Amber ) Chantilly	152	Cumin
281	Detchema	290	Fidji
229	Devin	116	Finished Alcoholic Compounds
253	Dial	156	First
283	Diorella	274	Flavor Types ( non - Edible )
249	Diorissimo	291	Fleurs de Rocaille
165	Downy Types	158	Floral Green Aldehydic
355	Dove Soap	094	Floral Oriental
240	Drakker, Equipage, Grey Flannel	109	Floral ( Open ), Floral Bouquet
085	Earthy Mossy	120	Floral, Aldehydic
024	Eau de Cologne Types	123	Floral Aldehydic Woody Amber
284	Eau de Love	109	Floral Bouquet, Floral ( Open )
285	Eau Sauvage	144	Floral Citrus
227	Egg Nog/Cola	087	Floral Fantasy, Modern Bouquet
122	Elan Type ( Aldehydic Woody )	157	Floral Green ( Open )
286	Emeraude	341	Floral Fruity Green
287	English Leather	061	Floral Herbaceous

240	Equipage, Grey Flannel, Drakker	155	Floral Spice
073	Era Types	121	Floral Spice Woody Aldehydic
288	Estee Super	159	Floral Lavender
105	( Medicinal, Noxema, Wintergreen )	094	Floral Oriental
087	Fantasy Floral/Modern Bouquet	101	Floral Woody
336	Farouche	195	Floral Woody Green
289	Femme	161	Fougere ( Oriental ) Amber
162	Fougere Spice	203	Grapefruit
160	Fougere Lavender	205	GRAS & RIFM
029	Fougere	240	Gray Flannel, Equipage, Drakker
164	Fougere Spice	100	Green ( Open )
098	Frangipani	157	Green Floral
070	Frankincense & Myrrh (Opoanax	158	Green Floral Aldehydic
134	Fresh Floral Bouquet	097	Green Floral Musk
216	Fresh & Clean ( Neutral Types )	341	Green Fruity Floral
179	Fruity, Passion ( Guava, Mango, Papaya )	198	Green Citrus
166	Fruity Alehydics	169	Green Wood ( Open )
027	Fruity Bouquet/Tutti Fruity	195	Green Woody Floral
341	Fruity Green Floral	241	Halston for Women
167	Fruity Spices	293	Habit Rouge
168	Fruity Technical	269	Hai Karate
030	Gardenia	142	Hay ( New Mown )

031	Geranium	102	Hazel, Witch
081	Geranium Rose	023	Head & Shoulders Type
026	Ginger	032	Heather
010	Ginseng	127	Heaven Scent
110	Giorgio of Beverly Hills	061	Herbaceous Floral
292	Givenchy Gentlemen	118	Herbal Essence Type
232	Givenchy, Oleg Cassini for Men	119	Herbal ( Open ), Herbal Combo
114	Grape	171	Hickory
034	Hollyberry	303	Jickey
035	Honey/Honey Florals	041	Jonquile
036	Honey-Almond ( Jergen's Type )	086	Jontue, Chloe, C. Klein, Tuberose
035	Honey Florals/Honey	305	Joy
038	Honeysuckle	055	Juniper
039	Hyacinth	306	Kanon
295	Imperiale, ( Extra Dry ) Cologne	106	Kouros
296	Imprevu	250	L'Aimant
074	Incense	251	L'Air du Temps
297	Infini	339	Lagerfeld
299	Intimate/Miss Dior	247	Lancome
328	Intrigue, Tabu	265	Lauren/Bill Blass
037	Iris ( Orris )	044	Lavender
300	Ivory	145	Lavender Citrus ( Lysol )

269	Jade East	159	Lavender Floral
040	Jasmin	160	Lavender Fougere
093	Jasmin Lavender	093	Lavender Jasmin
042	Jasmin Rose	045	Lavender Spice
040	Jasmin ( Open )	052	Lavender Wood
301	Jean Nate	050	Leather
302	Je Reviens	146	Leather Citrus
036	Jergen's Type ( Honey-Almond )	211	Leather, Woody
303	Jickey	201	Le Dix Types
298	L'Interdit	299	Miss Dior/Intimate
051	Licorice	312	Mitsouko
049	Lilac	087	Modern Bouquet, Fantasy Floral
175	Lilac Vegetal	085	Mossy, Earthy
060	Lily of the Valley, Muguet	104	Mossy Woody Aldehydic,
053	Lime	313	Moustache
112	Lime Spice - Spice, Lime	060	Muguet, Lily of the Valley
176	Linden, Blossom	178	Muguet ( Open )
214	L'Origan	215	Muguet, Rose
016	Lux Bar Soap	062	Musk
145	Lysol, Citrus Lavender	097	Musk, Green Floral
307	Madame Rochas	063	Musk Combo
056	Magnolia	070	Myrrh, Opoponax, Frankincense

308	MaGriffe	242	Mystere
344	Magie Noire	314	My Sin
309	Maja	202	Nahema
189	Mandarin/Tangerine	064	Narcisse
206	Masking Fragrances	315	Narcisse Noir
105	Medicinal ( Eucalyptus, Noxema, Wintergreen )	013	Natural (All) Fragrances
177	Melon ( Watermelon, Open )	194	Neutrogena
113	Meloytis	065	Neroli
311	Mennen Skin Bracer	142	New Mown Hay
057	Mint, Mint Combo	316	Norell
338	Norell II	094	Oriental Floral
225	Nivea	095	Oriental Spice
344	Noire, Magie	096	Oriental Wood
105	Noxema ( Eucalyptus, Medicinal, Wintergreen )	037	Orris ( Iris )
066	Nutmeg	329	Oscar de la Renta For Women
199	Nut Types	069	Ozone
068	Ocean Odor	248	Paco Rabanne
108	Odors, Technical	218	Palmolive
217	Oil of Olay	179	Passion Fruit ( Guava, Mango )
318	Old Spice	180	Patchouli
232	Oleg Cassini for Men/Givenchy	075	Peach

115	Ombre Rose	079	Pear
072	Open	181	Pennyroyal
164	Open	076	Peony
317	Open	197	Pert
331	Opium, Youth Dew	182	Petitgrain
070	Opoponax, Myrrh & Frankincense	319	Pierre Cardin
071	Orange	172	Pina Colada
028	Orange Flower, Orange Blossom	083	Pineapple, Pineapple Combo
087	Orchid ( Fantasy Floral-Modern Bouquet )	220	Pine Citrus
094	Oriental ( Open )	077	Pine Combo
099	Oriental Citrus Amber (Chantilly)	078	Pine Technical
161	Oriental ( Amber ) Fougere	128	Pino Silvestre
209	Plum	187	Sandalwood
234	Polo Type	324	Sandalwood - Arden
124	Powdery	325	Sardo
351	Private Collection	184	Sassafras/Rootbeer
321	Quelgues Fleurs	067	Scandia
248	Rabanne, Paco	326	Shalimar
342	Raintree	320	Shower to Shower
183	Raspberry	154	Silences
322	Replique	311	Skin Bracer ( Mennen )
205	RIFM & GRAS	345	Soft Sense

323	Rive Gauche	107	Spice Bouquet
097	Roman Gold, Sweet Honesty, Green Floral Musk	155	Spice Floral
184	Rootbeer/Sassafrass	162	Spice Fougere
080	Rose	167	Spice Fruity
081	Rose Geranium	045	Spice Lavender
042	Rose Jasmin	112	Spice Lime-Lime Spice
185	Rosemary	095	Spice Oriental
215	Rose/Muguet	188	Specialty Notes
115	Rose, Ombre	121	Spicy Green Floral Wood
235	Royal Copenhagen	033	Spicy, Herbacious, Woody
200	Rum, Wine Combos, Whiskey, Cognac	082	Strawberry
280	Russian Leather ( Cuir de Russie )	097	Sweet Honesty - Green Floral Bqt
186	Sage	084	Sweet Pea
327	Tabac ( Tobacco )	090	Violet
328	Tabu, Intrigue	221	Vitabath
189	Tangerine/Mandarin	177	Watermelon ( See Melon-Open )
210	Tansy	111	Water Soluble Fragrance
190	Tarragon	200	Whiskey, Wine Combos, Cognacs
191	Tea	239	White Linen
168	Technical ( Fruity )	330	White Shoulders
108	Technical ( Odors )	310	Williams L'Ectric Shave
192	Thyme	236	Windrift



219	Tide	251	Wind Song ( L'Air du Temps )
334	Tigress	200	Wines ( Combo ), Whiskey, Rum
327	Tobacco ( Tobac )	105	Wintergreen Eucalyptus, Medicinal
233	Trazarra	092	Wisteria
086	Tuberose ( Jontue, Chloe, C. Klein )	102	Witch Hazel
027	Tutti-Fruity/Fruity Bouquet	352	Women's Fine Fragrance Creations
333	Tweed	223	Wondra
054	Valentino	033	Woody, Herbacious, Spicy
088	Vanilla	052	Wood Lavender
349	Vaseline Intensive Care	103	Woody, ( Open )
208	Vegetable Types	122	Woody Aldehydic ( Elan Type )
243	Vent Vert	121	Woody Aldehydic Floral Spice
193	Verbena, Lemon	123	Woody Aldehydic ( Amber ) Floral
089	Vetivert	101	Woody Floral
121	Woody Floral Aldehydic Spice		
169	Woody Green ( Open )		
195	Wody Green Floral		
337	Wood Hue		
104	Woody Mossy, Aldehydic Woodsy Mossy		
211	Woody Leather		
096	Woody Oriental		
196	Ylang Ylang		

331	Youth Dew, Opium
246	Yves St. Laurent
350	Zest
348	Zibeline
332	Zizanie
170	z - 14

### Numerical Listing

001	Arden Body Basics	021	Agree
002	Black Current/Cassis	022	Cucumber
003	Aphrosia ( Aphrodisia )	023	Head & Shoulder Type
004	Almond	024	Eau de Cologne types
005	Amber - Ambergris	025	Citrus Amber
006	Apple Blossom	026	Ginger
007	Apricot	027	Fruity Bouquet/Tutti Fruity
008	Banana	028	Orange Flower ( Orange Blossom )
009	Balsam	029	Fougere
010	Ginseng	030	Gardenia
011	Bain de Soleil	031	Geranium
012	Bayberry, Winterberry, Snowberry	032	Heather
013	All Natural Fragrance	033	Woody, Herbacious, Spicy
014	Carnation	034	Hollyberry
015	Cashmere	035	Honey, Honey Florals

016	Lux Bar Soap	036	Honey-Almond ( Jergens Type )
017	Cherry	037	Iris ( Orris )
018	Chypre	038	Honeysuckle
019	Clover	039	Hyacinth
020	Apple & Apple Combo	040	Jasmin (Open)
041	Jonquile	064	Narcisse
042	Jasmin Rose	065	Neroli
043	Civet	066	Nutmeg
044	Lavender	067	Scandia
045	Lavender Spice	068	Ocean Odor
046	Lemon	069	Ozone
047	Lemon-Lime	070	Frankincense Myrrh, Opoponax
048	Lemon Combo	071	Orange
049	Lilac	072	( Open )
050	Leather	073	Era Types
051	Licorice, Anise	074	Incense
052	Lavender Wood	075	Peach
053	Lime	076	Peony
054	Valentino	077	Pine Combo
055	Juniper	078	Pine-Technical
056	Magnolia	079	Pear
057	Mint, Mint Combo	080	Rose

058	Mimosa	081	Rose Geranium
059	Cialenga	082	Strawberry
060	Muguet, Lily of the Valley	083	Pineapple, Pineapple Combo
061	Herbaceous Floral	084	Sweet Pea
062	Musk	085	Earthy Mossy
063	Musk Combo	086	Tuberose
087	Fantasy Floral, Modern Bouquet	110	Giorgio of Beverly Hills
088	Vanilla	111	Water Soluble Fragrances
089	Vetivert	112	Spice Lime - Lime Spice
090	Violet	113	Meloytis
091	Amour-Amour	114	Grape
092	Wisteria	115	Ombre Rose
093	Jasmin Lavender	116	Alcoholic Finished Compounds
094	Oriental Floral	117	Cinnamon, Cassia
095	Oriental Spice	118	Herbal Essence Type
096	Oriental Wood	119	Herbal Combo
097	Green Floral Musk	120	Aldehydic Floral
098	Frangipani	121	Aldehydic Woody Spice Floral
099	Oriental Citrus Amber/Chantilli	122	Aldehydic Woody ( Elan Type )
100	Green ( Open )	123	Aldehydic Woody Floral Amber
101	Woody Floral	124	Powdery
102	Witch Hazel	125	Bergamot

103	Woody ( Open )	126	Citrus Spice
104	Woody Mossy & Aldehydic Woody	127	Heaven Scent
105	Medicinal ( Wintergreen, Noxema, Eucalyptus )	128	Pino Silvestre
106	Kouros	129	Avocado
107	Spice Bouquet	130	Bases, Intermediate, Keys
108	Technical Odors	131	Basil
109	Floral Bouquet, Floral (Open)	132	Blueberry
133	Butterscotch	156	First
134	Fresh Floral Bouquet	157	Floral Green ( Open )
135	Caramel	158	Green Floral Aldehydic
136	Caraway	159	Floral Lavender
137	Carrot	160	Lavender Fougere
138	Cedarwood & Cedar ( Types )	161	Amber ( Oriental ) Fougere
139	Chamomile	162	Spice fougere
140	Champagne	163	Bounce
141	Chocolate	164	( Open )
142	New Mown Hay	165	Downy Type
143	Citronella	166	Aldehydic Fruity
144	Citrus Floral	167	Fruity Spices
145	Citrus Lavender ( Lysol )	168	Fruity Technical
146	Citrus Leather	169	Green Wood ( Open )
147	Clove	170	z - 14

148	Coconut & Coconut Combo	171	Hickory
149	Coffee, Mocha	172	Pina Colada
150	Coriander	173	Adolfo
151	Cranberry	174	Open
152	Cumin	175	Lilac Vegetal
153	Blackberry	176	Linden Blossom
154	Silences	177	Melon ( Watermelon, Open )
155	Floral Spice	178	Muguet ( Open )
179	Passion Fruit ( Guava, Mango Papaya )	202	Nahema
180	Patchouli	203	Grapefruit
181	Pennyroyal	204	Citrus Bouquet ( Open )
182	Petitgrain	205	GRAS & RIFM
183	Raspberry	206	Masking Fragrances
184	Root Beer/Sassafras	207	Coast Types
185	Rosemary	208	Vegetable Types
186	Sage	209	Plum
187	Sandalwood	210	Tansy
188	Specialty Notes	211	Leather Woody
189	Tangerine/Mandarin	212	Bakery Odor
190	Tarragon	213	Cristalle
191	Tea	214	L/Origan
192	Thyme	215	Rose/Muguet

193	Verbena, Lemon	216	Fresh & Clean ( Neutral Types )
194	Neutrogena	217	Oil of Olay
195	Woody Green Floral	218	Palmolive
196	Ylang Ylang	219	Tide
197	Pert	220	Citrus Pine
198	Green Citrus	221	Vita Bath
199	Nut Types	222	Coppertone
200	Whisky Types ( Cognac, Rum Wine Combos )	223	Wondra
201	Le Dix Types	224	Cocoa Butter
225	Nivea	248	Paco Rabanne
226	Chimere	249	Diorissimo
227	EggNog/Cola	250	L'Aimant
228	Azzaro	251	L'Air Du Temps/Windsong
229	Devin	252	Aliage
230	Chaps	253	Dial
231	Anais, Anais	254	Aquamarine
232	Oleg Cassini for Men/Givenchy	255	Aqua Velva
233	Trazarra	256	Aramis
234	Polo Type	257	Aramis Combo
235	Royal Copenhagen	258	Arpege
236	Windrift	259	Arpege Combo
237	Chanel For Men	260	Audace

238	Blue Jeans	261	Baby J Powder Type
239	White Linen	262	Baby J Shampoo Type
240	Drakker, Equipage Grey Flannel	263	Bal A Versailles
241	Halston for Women	264	Bellodgia/Caron
242	Mystere	265	Laurne/Bill Blass
243	Vent Vert	266	Blue Grass
244	Clinique	267	Braggi
245	British Sterling	268	Breck Type
246	Yves St. Laurent	269	Jade East, Brut, Canoe, Ambush
247	Lancome	270	Cabocharde
271	Calandre	294	L'Heure Bleue
272	Caleche	295	Imperial Extra Dry ( Cologne )
273	Camay	296	Imprevu
274	Flavor Types ( Non - Edible )	297	Infini
275	Chanel # 5, Prophesy	298	L'Interdit
276	Chanel # 19	299	Intimate Mid Dior
277	Chanel # 22	300	Ivory
278	Charlie	301	Jean Nate
279	Crepe de Chine	302	Je Reviens
280	Cuir de Russie ( Russian Leather )	303	Jickey
281	Detchema	304	Chamade
282	Cassie	305	Joy



283	Diorella	306	Kanon
284	Eau de Love	307	Madame Rochas
285	Eau Sauvage	308	Ma Griffe
286	Emraude	309	Maja
287	English Leather	310	William's L'ectric Shave
288	Estee Super	311	Mennen Skin Bracer
289	Femme	312	Mitsouko
290	Fidji	313	Moustache
291	Fleurs de Rocaille	314	My Sin
292	Givench Gentlemen	315	Narcisse Noir
293	Habit Rouge	316	Norell
317	( Open )	340	Lemongrass
318	Old Spice	341	Green Fruity Floral
319	Pierre Cardin	342	Raintree
320	Shower to Shower	343	Aldehydic Citrus
321	Quelques Fleurs	344	Magie Noire
322	Replique	345	Soft Sense
323	Rive Gauche	346	Cypre Oriental
324	Sandalwood - Arden	347	Alpha-Keri
325	Sardo	348	Zibeline
326	Shalimar	349	Vaseline Intensive Care
327	Tabac ( Tobacco )	350	Zest

328	Tabu, Intrigue	351	Private collection
329	Oscar de la Renta for Women	352	Women's Fine Fragrance Creations
330	White Shoulders	353	Men's Fine Fragrance Creations
331	Youth Dew, Opium	354	Courreges Pour un Homme
332	Zizanie	355	Dove Soap
333	Tweed	356	Caress Bar Soap
334	Tigress	357	Affinity Shampoo Type
335	Aqua di Selva	358	
336	Farouche	359	
337	Wood Hue	360	
338	Norell II	361	
339	Lagerfeld	362	

## Hidden Sentiments in Plant Lore

Flower	Hidden Meaning
Abatina	Fickleness
Acacia	Chaste love friendship
Acacia Pink	Elegance
Acacia Yellow	Secret love
Acantuhs	Art, the fine arts
Aconite	Knight errantry
Adonis	Sorrowful remembrance
African Marigold	Vulgarity
Agrimony	Thankfulness, gratitude
Alfalfa	Life
Allspice	Compassion, benevolence
Almond Flower	Heedlessness
Almond Tree	Indiscretion, promise
Amaryllis	Pride
Ambrosia	Love returned
Amethyst	Admiration

Andromeda	Self sacrifice
Anemone Garden	Forsaken
Anemone Wood	Sickness
Angelica	Inspiration
Apple	Temptation
Apple Blossom	Preference
Arum	Ardor
Ash	Grandeur
Ash Mountain	Prudence
Aspen	Lamentation
Asphodel	My regrets follow you to the grave
Aster, China	Variety
Aster, Double	I partake of your sentiments
Aster, Single	I will think of it
Auricula	Painting
Auricula, Scarlet	Avarice
Azalea	Temperance
Azalea, Indian	True to the end
Balm	Impatience
Balm Of Gilead	Cure healing
Balsam	Impatience
Balsam, Red	Touch me not

Barberry	Sourness, sharpness, ill temper
Basil	Hatred
Bay	Glory
Bay Wreath Of	Reward of merit
Beech	Grandeur
Begonia	Dark thoughts
Belladonna	Imagination
Berberry	Tartness, sharpness
Betony	Surprise
Bilberry	Treachery
Bindweed	Insinuation
Birch	Meekness, gracefulness
Blackthorn	Difficulty
Bladder-nut	Frivolous amusement
Bluebell	Constancy
Borage	Bluntness
Box	Stoicism
Bramble	Envy
Broom	Humility
Bryony	Be my support
Buckbean	Calmness, repose
Bugloss, Viper's	Falsehood

Bulrush	Docility
Burdock	Importunity, touch me not
Buttercup	Childishness
Cabbage	Profit
Cactus	Warmth, I burn
Calceolaria	Keep this for my sake
Calla	Magnificent beauty
Calycanthus	Benevolence
Camellia	Unpretending excellence
Camomile	Energy in adversity
Campanula	Gratitude
Camphor	Fragrance
Candytuft	Architecture, indifference
Canterbury Bell	Constancy
Cardinal Flower	Distinction
Carnation	Pride and beauty
Carnation, Red	Alas for my poor heart
Carnation, Stripped	Refusal
Carnation, Yellow	Disdain
Carolina Allspice	Disappointment
Cashew Nut	Perfume
Catchfly	Snare

Catchfly, Red	Youthful love
Catchfly, White	Betrayed
Cedar	Strength
Celadine	Joys to come
Centaury	Felicity
Cherry	Good education
Cherry, Cornelian	Duration
Cherry, Winter	Deception
Chervil	Sincerity
Chestnut	Justice, render me justice
Chickweed	Rendezvous
Chickweed, Mouse eared	Ingenuous simplicity
Chicory	Frugality
Chrysanthemum, Chinese	Cheerfulness in adversity
Chrysanthemum, Red	I love
Chrysanthemum, White	Truth
Chrysanthemum, Yellow	Sighted love
Cinquefoil	Beloved daughter, maternal love
Clematis	Artifice
Clover, Four leaved	Be mine
Clover, Purple	Providence
Clover, Red	Industry

Clover, White	Think of me
Clove tree	Dignity
Coboea	Gossip
Cocks Comb	Singularity
Coffee	Riches and honor
Columbine	Folly
Columbine, Purple	Resolution
Columbine, Red	Anxious and trembling
Convolvulous, Major	Extinguished hopes
Convolvulous, Minor	Night
Coreopsis, Arkansa	Love at first sight, always cheerful
Coriander	Concealed merit
Corn	Riches
Corn, Broken	Quarrel
Corn, Straw	Agreement
Cornflower	Delicacy
Cowslip	Pensiveness
Cowslip, American	You are my angel
Cranberry	Hardness
Cress	Stability
Crocus	Mirth
Crowfoot	Ingratitude



Cuckoo flower	Paternal error
Currants	Please you please all
Cyclamen	Diffidence
Cypress	Death and eternal sorrow
Daffodil	Chivalry and regard
Dahlia	Instability
Daisy	Innocence
Daisy, Double	Participation
Daisy, Garden	I share your sentiment
Daisy, Michaelmas	Afterthought
Daisy, Ox eye	A token of patience
Daisy, Red	Unconscious
Dandelion	Oracle
Daphne	Glory
Darnel	Vice
Day Lily, Yellow	Coquetry
Dead leaves	Sadness, melancholy
Delphinium	Lightness
Dittany	Birth
Dittany, White	Passion
Dock	Patience
Dodder	Baseness

Dogwood	Durability
Dragonwort	Horror
Ebony	Blackness
Elder	Zealousness
Elm	Dignity
Elm, American	Patriotism
Endive	Frugality
Fennel	Praise, worthy of praise
Fern	Sincerity
Fern, Flowering	Reverie
Fig	Argument
Fig, Tree	Prolific
Filbert, or hazelnut	Reconciliation
Fir	Elevation
Flax	Fate
Flax, Dried	Utility
Fleur-de-lys	Flame
Flower of an Hour	Delicate beauty
Forget-me-not	Forget me not, true love
Foxglove	Youth
Fraxinella	Fire
Fritillary, Chequered	Persecution

Fuchsia	Taste
Fuller's Teasel	Misanthropy
Furnitory	Spleen, hatred
Furze, or Gorse	Enduring affection
Gentian, Yellow	Ingratitude, I love you best when you are sad
Geranium	Comfort
Geranium, Dark	Melancholy
Geranium, Ivy	Bridal flavor
Geranium, Nutmeg	An expected meeting
Geranium, Pencil-leaved	Ingenuity
Geranium, Rose or pink	Preference
Geranium, Scarlet	Comforting
Gillflower, or stock	Lasting beauty
Gladiolus	Strength of character
Glasswort	Pretension
Gloxinia	A proud spirit
Glycine	Your friendship pleases me
Golden Rod	Precaution
Gooseberry	Anticipation
Goosefoot	Goodness
Grapevine	Drunkenness
Grass	Utility, usefulness

Harebell	Grief
Hawkweed	Quick-sightlessness
Hawthorn	Hope
Heath, or lichen	Solitude
Helenium	Tears
Heliotrope	Eternal love
Hellebore	Calumny, scandal
Hemlock	You will cause my death
Henbane	Imperfection
Hepatica	Confidence
Hibiscus	Delicate beauty
Holly	Foresight
Hollyhock	Fecundity
Honesty	Honesty
Honey Flower	Love, sweet and secret
Honeysuckle	Bonds of love
Hop	Injustice
Hornbean	Ornament
Horse Chestnut	Luxury, luxuriance
Houseleek	Vivacity
Houstonia Cerulea	Content, quiet happiness
Hyacinth	Sport, game play

Hydrangea	Heartlessness, a boaster
Hyssop	Cleanliness
Ice Plant	Your looks freeze me
Imperial Crown	Majesty and power
Iris	Message, messenger
Iris, Yellow	Flame, passion of love
Ivy	Marriage, fidelity
Jacobs Ladder	Descent, or come down
Jasmine	Amiability
Jasmine, Cape	Transport of joy
Jasmine, Carolina	Separation
Jasmine, Indian	Attachment
Jasmine, Spanish	Sensuality
Jasmine, White	Amiability
Jasmine, Yellow	Grace and elegance
Jonquil	Desire, I desire a return of affection
Judas Tree	Unbelief, betrayal
Juniper	Protection
Kingcup	Childishness
Laburnum	Forsaken
Lady's Mantle	Fashion
Lady's Slipper	Capricious beauty, Win me and wear me

Ladysmock	Paternal error
Larch	Audacity, boldness
Larkspur	Lightness
Larkspur, Pink	Fickleness
Laurel	Glory
Laurestina	I die if neglected
Lavender	Mistrust
Lemon	Zest
Lemon, Blossom	Fidelity in love
Lettuce	Cold - heartedness
Lilac	Forsaken
Lilac, Purple	First emotions of love
Lilac, White	Youthful innocence
Lily, Arum	Ardor
Lily, Lent	Sweet disposition
Lily, Tiger	For once may pride befriend me
Lily, Water	Silence, purity of heart
Lily, White	Purity
Lily Of The Valley	Return of happiness
Linden, or Lime Tree	Conjugal love
Linden, American	Matrimony
Liquorice, Wild	I declare against you

Liverwort	Confidence
Lobelia	Malevolence
Locust Tree	Elegance
London Pride	Frivolity, a love match
Lotus Flower	Silence, estranged love
Love-in-a-Puzzle	Embarrassment
Love-in-a-Mist	Perplexity
Love-Lies-Bleeding	Hopeless, not heartless
Lucerne	Life
Lupin	Voraciousness
Lychnis, Scarlet	Religious enthusiasm
Luthrum	Pretension
Madder	Calumny
Magnolia	Dignity
Maidenhair	Discretion
Maize	Plenty
Mallow	Humanity, beneficence
Mallow, Syrian	Consumer by love
Mandrake	Horror, rarity
Maple	Reserve
Marigold	Dispair, grief
Marigold, African	Vulgarity, vulgar mindedness

Marigold, French	Blushes
Marvel of Peru	Timidity
Meadow-saffron	My best days are past
Meadowsweet	Uselessness
Mesembryanthemum	Idleness
Mezeron	Desire to please
Mignonette	Your qualities surpass your charms
Milk Vetch	Your presence softens my pains
Milkwort	Hermitage
Mimosa	Sensitivity
Mimulus	Weakness
Mint	Virtue
Mistletoe	I surmount difficulties
Mock Orange	Fatrnal love
Monk's Hood	Knight errantry
Moonwort	Forgetfulness
Morning Glory	Affectation
Moschatel	Weakness, insignificance
Moss	Maternal love
Motherwort	Concealed love
Mugwort	Happiness
Mulberry, Black	Survival



Mulberry, White	Wisdom
Mullein	Good nature
Mushroom	Suspicion
Musk Plant	Weakness
Mustard Seed	Indifference
Mustard Tree	Generation
Myrrh	Gladness
Myrtle	Love, fertility
Narcissus	Egotism
Narcissus, Double	Female ambition
Nasturtium	Splendor, patriotism
Nightshade	Falsehood
Nightshade, Bittersweet	Truth
Nightshade, Enchanter's	Fascination
Nosegay	Gallantry
Oak	Hospitality
Oak, Leaf	Bravery
Oats	The witching sound of music
Oleander	Beware
Olive	Peace
Orange Blossom	Chastity, your purity equals your loveliness
Orchid	Beauty

Orchid, Bee	Error
Orchid, Spider	Skill
Osmunda	Dreams
Palm	Victory
Pansy	Thoughts, you occupy my thoughts
Parsley	Feast, banquet
Parsley, fool's	Silliness
Pasque Flower	You have no claims
Passion Flower	Religious superstition
Pea, Sweet	Lasting pleasure & an appointed meeting, delicate pleasures
Peach	Your qualities like your charms are unequalled
Peach Blossom	I am your captive
Pear	Affection
Pelargonium	Gracefulness
Pennyroyal	Flee away
Peony	Shame
Peppermint	Warmth of feeling
Periwinkle	Sweet remembrances
Periwinkle, Blue	Early friendship
Periwinkle, White	Pleasures of memory
Petunia	Never despair
Phlox	Unanimity

Pimpernel	An assignation
Pine	Pity
Pineapple	Projection you are perfect
Pink, Carnation	Womans love
Pink, Clove scented	Dignity
Pink, Indian	Aversion
Pink, Indian, double	Always lovely
Pink, Mountain	Aspiration
Pink, Red, double	Pure ardent love
Pink, Single	Pure love
Pink, White	Talent
Plane	Genius
Plum Tree	Independence, keep your promises
Polyanthus	Confidence
Pomegranate	Foolishness
Pomegranate, Flower	Mature elegance
Poplar, Black	Courage
Poplar, White	Time
Poppy, Red	Consolation, fertility
Poppy, Scarlet	Fantastic extravagance
Poppy, White	Sleep of the heart
Potato	Beneficence

Potentilla	I claim, at least, your esteem
Prickly Pear	Satire
Primrose	Early youth
Primerose, Evening	Inconstancy
Primula	Diffidence
Privet	Prohibition
Pumpkin	Balkiness
Pyrethum	Unchanged
Quaking Grass	Agitation
Quince	Temptation
Ragged Robin	Wit
Rasunculus	You are radiant with charms
Rasunculus, Wild	Ingratitude
Raspberry	Remorse
Reed	Music
Reed, Feathery	Indiscretion
Rhododendron	Danger
Rhubarb	Advice
Rocket	Rivalry
Rose	Beauty, love
Rose, Austrian	Thou are all that is lovely
Rose, Boule de neige	Only for thee

Rose, Bridal	Happy love
Rose, Burgundy	Unconscious beauty
Rose, Cabbage	Ambassador of love
Rose, Champion	Relieve my anxiety
Rose, Carolina	Love is dangerous
Rose, Damask	Brilliant complexion, beauty ever new
Rose, Dog	Pleasure and pain
Rose, Gloire de Dijon	A messenger of love
Rose, Guelder	Winter, age
Rose, Hundred-leaved	Pride
Rose, Japan	Beauty is your only attraction
Rose, John Hopper	Encouragement
Rose, La France	Meet me by moonlight
Rose, Maiden blush	If you love me you will find it out
Rose, May	Precocity
Rose, Moss	Voluptuous love
Rose, Mundi	Variety
Rose, Musk	Capricious beauty
Rose, Rock	Popular favor
Rose, Single	Simplicity
Rose, Thornless	Simplicity
Rose, White	I am worthy of you

Rose Yellow	Decrease of love, jealousy, infidelity
Rose, York or lancaster	War
Rose, Crown of roses	Reward of virtue
Rose, Leaf	You may hope
Rosebud, Red	Pure and lovely
Rosebud, White	Girlhood and a heart ignorant
Rose Champion	You are without pretension
Rosemary	Remembrance
Rudbeckia	Justice
Rue	Repentance
Rush	Docility
Saffron	Reward of success, gaiety
Saffron, Meadow	My happiest days are past
Sage	Domestic virtue
Sainfoin	Agitation
Salvia, Blue	I think of you
Salvia, Red	Forever thine
Saxifrage	Affection
Scabious	Unfortunate love, widowhood
Scilla, Blue	Forgive & forget
Scilla, White	Sweet innocence
Shamrock	Light-heartedness

Shepherd's Purse	I offer you my all
Snap Dragon	Presumption
Snowdrop	Consolation, hope
Soapwort	Craftiness
Sorrel	Affection
Sorrel, Wild	Wit
Sorrel, Wood	Joy
Southernwood	Jest bantering
Speedwell	Female fidelity
Spindle Tree	Your charms are engraved on my heart
St. Johns Wort	Superstition
Star Of Bethlehem	Purity
Starwort	After thought
Stephanotis	Will you accompany me to the far east?
Stinging Nettle	Cruelty
Stonecrop	Tranquility
Strawberry	Perfect goodness
Sunflower	Haughtiness
Swallow-wort	Medicine
Sweet Briar	Poetry
Sweet Briar, Yellow	Decrease of love
Sweet Briar, American	Simplicity

Sweet William	Gallantry
Sycamore	Curiosity, reserve
Syringa	Memory
Tamarisk	Criminality
Tansy	Resistance, I declare war
Teasel	Misanthropy
Thistle, Common	Austerity
Thistle, Scotch	Retaliation
Thorn Apple,	Deceitful charms, falsehood
Thrift	Dauntlessness
Thyme	Activity
Toothwort	Secret love, concealed love
Traveller's joy	Safety
Trefoil	Revenge
Truffle	Surprise
Tuberose	Voluptuousness, dangerous pleasures
Tulip	Love
Tulip, Red	Declaration of love
Tulip, Varlegated	Beautiful ages
Tulip, Yellow	Hopeless love
Tulip-Tree	Charity
Turnip	Charity



Tussilage	Justice shall be done you
Valerian	An accommodating disposition
Valerian, Greek	Rupture
Venus's Looking Glass	Flattery
Verbena, White	Pure and guileless
Verbena, Scarlet	Sensibility
Vernal Grass	Poor but happy
Veronica	Fidelity
Vervain	Enchantment
Vine	Drunkenness
Violet	Modesty
Violet, Blue	Faithfulness
Violet, Dame	Watchfulness
Violet, White	Candor
Violet, Yellow	Rural happiness
Virginia Creeper	Ever changing
Virgin's Bower	Filial love
Viscaria Oculate	Will you dance with me
Wallflower	Fidelity in adversity
Walnut	Intellect
Water Lily	Purity
Water Melon	Bulkiness

Weigela	Accept a faithful heart
Wheat	Riches
Whortlebury	Treason
Willow, Weeping	Melancholy, mourning
Willow Herb	Celibacy
Wisteria	I cling to thee, welcome fair stranger
Witch Hazel	A spell, spell bound
Woodbine	Fraternal love
Wormwood	Absence
Yarrow, Milfoil	War
Yew	Sorrow
Zephyr Flower	Expectation
Zinnia	Thoughts of absent friends

## Bibliography

227

- Ackerman, Diane. A Natural History of the Senses, 1990.
- Aftel, Mandy. Essences & Alchemy - A Book of Perfume, 2001.
- Arctander, Steffen. Perfume & Flavor Materials of Natural Origin. 1960.
- Arctander, Steffen. Perfume & Flavor Chemicals, Volumes # 1 & 2.
- Bailey, L.J. Hortus, A Dictionary Of Horticulture of North America. 1935.
- Bedoukian, Paul Dr. Perfumery & Flavoring Synthetics.
- Bedoukian, Paul Dr. Perfumery & Flavoring Materials, Articles, 1945 - 1992.
- Bedoukian Research. Distinctive Perfume & Flavor Ingredients.
- Black, Penny. The Book Of Potpourri, Fragrant Flower Mixes For The Home.
- Brechbill, Glen O., Fragrance Ingredients of the World, 2006.
- Burfield, Tony. The Adulteration of Essential Oils, Globalnet.co.uk, London, 2003.
- Burr, Chandler. The Emperor of Scent, A Story of Perfume, & Obsession. 2002.
- Bush Boake & Allen, Inc. Aroma & Terpene Products.
- Calkin, Robert R. Perfumery Practice & Principles.
- Chanel Parfums, The Story of Coco Chanel, 1999.
- Clifford, Frank S. Romance Of Perfume Lands. 1881.
- Cola, Felix. Book of Perfumery. 1947
- Creations Aromatiques Inc., Bases, Essential Oils, Fine Fragrances & Aromatic Materials.
- Dana, Star W. How To Know The Wild Flowers. 1995.
- Dictionary, The American Heritage Dictionary Of The English Language, 1971.
- Dictionary, Webster's Third New International Dictionary, Unabridged.
- Donato, Giuseppe & Siefried Monique. The Fragrant Past: Perfumes of Cleopatra and Julius Ceasar. 1995.
- Dorland, Gabrielle J. Scents Appeal.
- Dorland, Rogers. The Fragrance & Flavor Industry. 1971.
- Dragoco. World Class Flavor Ingredients.
- Duff, Gail. Natural Fragrances, Outdoor Scents For Indoor Use.
- Edwards, Michael. Perfume Legends: French Feminine Fragrances, 1998.
- Fabulous Fragrances II, A Guide to Prestige and Perfume For Women & Men, 2001.
- Firmenich, Inc. Chemicals & Specialties.
- Fragrance Foundation. Fragrance & Olfactory Dictionary & Directory. 1981.
- Fragrance Foundation. The History, The Mystery, The Enjoyment of Fragrance.
- Fragrance Profiles. Allured Publishers.
- French Society Of Perfumers. Fragrance Classification Des Perfumes.
- Gaborit, Jean-Yves. Perfumes - The Essences and Their Bottles. 1988.
- Gaines, Ann. Coco Chanel. 2004.

- Genders, Roy. Perfume Through The Ages. 1972.
- Gilchrist, Cherry. The Elements Of Alchemy.
- Givaudan Fragrance Corporation. Fragrance Ingredients.
- Google Search Engine. Google Inc., 1600 Amphitheatre Parkway, Mountain View, California
- Grant, Junius. Hackh's Chemical Dictionary. 1944.
- Groom, Nigel. The Perfume Handbook.
- Gunther, Ernest Dr. The Essential Oils. Volumes # 1 & 2.
- Haarmann & Reimer. Aroma Chemicals & Specialty Scents.
- The H & R Books Of Perfume
- # 1 The H & R Book Of Perfume.
  - # 2 Guide To Fragrance Ingredients.
  - # 3 Fragrance Guide.
- Healy, Orla. Coty - The Brand of Visionary. 2004.
- Hiscox, Gardner D. Henley's Twentieth Century Formulas, Recipes, & Processes. 1924.
- International Flavors & Fragrances. Perfumers Compendium.
- Irvine, Susan. Perfume - The Creation and Allure of Classic Fragrances. 1995.
- Jessee, Jill. The Perfume Album. 1972.
- Lawless, Julia. The Encyclopedia Of Essential Oils.
- Lawrence, Brian Dr. The Journals Of Essential Oil Research. Volumes # 1 - 4.
- Maron, Jan. Fabulous Fragrances II: A Guide to Prestige Perfumes for Men & Women. 2000.
- Material Safety Data Sheets.
- Mauer, Edward S. Perfumes & Their Production. 1958.
- Miller, Alan R. The Magical & Ritual Use Of Aphrodisiacs.
- Miller, Alan & Iona. The Magical & Ritual Use Of Herbs.
- Miller, Alan & Iona. The Magical & Ritual Use Of Perfumes.
- Moldenke, Harold & Alma. Plants Of The Bible. 1952.
- Moran, Jan. Fabulous Fragrances - The Women's Guide To Prestige Perfumes. 1994.
- Morris, Edwin T. The Story Of Perfume From Cleopatra To Chanel. 1984
- Muller, Lamporsky. Perfume, Art, Science & Technology.
- Naves, Mazuyer. Natural Perfume Materials. 1947.
- Newman, Cathy, Kendrick Rob. The Art & Science of Scent. 1999.
- Pickles, Sheila. Penhaligon's Scented Treasury Of Verse & Pose.
- Pickles, Sheila. A Victorian Posy.
- Pickles, Sheila. The Language of Flowers.
- PFW Aroma Chemicals. Aroma Chemicals.
- Poucher, W.A. Perfumes, Cosmetics & Soaps. Volumes # 1 - 3.
- Quest International. A Compendium of Fragrance Ingredients.
- Rimelle, Eugene. Book Of Perfumes. 1865.
- Robertet. Natural Ingredients.
- Scent, by Visionaire Publishing 2004.
- Schab, Frank R. & Crowder, Robert G. Memory For Odors. 1995.
- Swarthout, Doris. An Age Of Flowers, Sense & Sentiment In Victorian America.
- Takasago. Aroma Chemical Compendium.
- Theimer, Ernst T. Fragrance Chemistry, The Science Of The Sense Of Smell.
- Thompson, C.J.S. The Mystery & Romance Of Alchemy & Pharmacy. 1932.

Thompson, C.J.S. The Mystery & Lure Of Perfume. 1927.  
Todd, Pamela. Forget-Me-Not, A Floral Treasury, Sentiments & Plant Lore.  
Toller, Dodd. Perfumery, The Psychology & Biology Of Fragrance.  
Turin, Lucas. The Secret of Scent, 2006.  
Verill, Hyatt A. Perfumes & Spices, History & Soaps, Preparation. 1940.  
Yahoo Search Engine. Yahoo! Inc., 701 First Avenue, Sunnyvale, California 94089.  
Worwood, Valerie A. The Complete Book Of Essential Oils On Aromatherapy.