



PERFUMERY
INGREDIENTS
June 2019

INNOVATIVE CRAFTSMANSHIP IN FRAGRANCES, TASTE AND BEYOND

FAMILY OWNED, FOUNDED IN GENEVA, 1895



ALDEHYDIC

906954	ALDEHYDE C 9
907163	ALDEHYDE C 11 UNDECYLIC
907771	ALDEHYDE MNA
907768	ALDEHYDE MOA
908162	ALDEHYDE SUPRA
965765	MANDARINE ALDEHYDE 10 CITR

AMBERY

908930	AMBRINOL
909120	AMBROX® DL
909158	AMBROX® SUPER
922560	CETALOX®
BASE	FIXATEUR 000505 E
BASE	GRISAMBROL D 947173

ANIMALIC

949021	INDOCOLORE™
BASE	CASTOREUM SYNTH 184004
BASE	CIVETTE SYNTH 184014
BASE	CIVETTE SYNTH FAMILY

AROMATIC

962608	MYROXYDE®
974482	PLICATONE
979035	ROMASCONE
BASE	SARRIETTE BASE 199618 D

BALSAMIC

953327	KOUMALACTONE® 10 TEC
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CITRUS

BASE	BERGAMOTE 000136
BASE	BERGAMOTE FAMILY
BASE	CITROASIS BASE 184040
BASE	CITRON 184067 F
BASE	KUMQUAT BASE 270258
BASE	MANDARINAL 184002 K
BASE	MANDARINAL FAMILY
BASE	TAMARINE BASE 041310 G
BASE	VERT DE CITRON 066265 MGNFD

GOURMAND

BASE	NECTAROL 184139
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FLORAL

920100	CARBINOL MUGUET
922493	CENTIFOLETHER
928130	CORANOL
937001	CYCLOMETHYLENE CITRONELLOL
937160	CYCLOPIDENE
937250	CYCLOSIA® BASE
937449	DAMAROSE ALPHA
937450	DAMASCENONE
937459	DAMASCENONE TOTAL
937470	DAMASCONE ALPHA
939697	DAMASCONE BETA FAB
937856	DAMASCONE DELTA
944580	DAMASCONE GAMMA
937165	DELPHOL HC®
937850	DELPHONE
939668	DOREMOX®
942551	FIRASCONE®
966458	FLOROL®
964898	HEDIONE®
947325	HEDIONE® HC
948605	HIVERNAL® NEO
949828	IRALIA®
949970	IRALIA® TOTAL
965414	JASMOLACTONE
955210	LILYFLORE®
956256	LORYSIA®
957230	MAYOL®
936915	METHYL CYCLOGERANATE
945040	METHYL GERANATE
973080	PHENYLHEXANOL
981816	SCLAREOLATE®
990257	VELOUTONE®

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BASE	BEYOND HIVERNAL® 184255
BASE	BEYOND LILYFLORE® 184256
BASE	CASSIONE 921189
BASE	CETYLIA® BASE 184134
BASE	DAMASCENIA 184026 FG
BASE	DORINIA 184057
BASE	FIRLIAL 184231
BASE	IRIS ABS SYNTH 000199 SA
BASE	IRIS CONCRETE SYNTH 184032
BASE	JACINTHEME 184000
BASE	JASMIN 184165
BASE	JASMIN FAMILY
BASE	JASMOPHORE 184195 B
BASE	LILY BASE 184226
BASE	PARMANTHEME 184011
BASE	ROSESENCE 000193 GB
BASE	ROSESENCE FAMILY
BASE	WARDIA® 184212
BASE	WARDIA® FAMILY

FRUITY

943871	FRUCTALATE®
951517	ISOPENTYRATE
969380	OXANE
BASE	CASSIS BASE 000345 B
BASE	CASSIS BASE FAMILY
BASE	FRAISE 184075
BASE	FRAMBOISE 184039
BASE	FRUIT SEC 184078
BASE	GRANNY SMITH BASE 184059 D
BASE	GRAPEFRUIT BASE 184062
BASE	GUAVA BASE 270237
BASE	MIRABELLE 184158
BASE	PASSION FRUIT BASE 109223 GEB
BASE	PRUNELLA® 975617

GREEN

939745	DYNASCONE®
944252	GALBANOLENE SUPER
966466	NEOBUTENONE® ALPHA
978891	RHUBOFLO
989007	TRIFERNAL®
991805	VIOLETTYNE MIP
BASE	ALLOGAL BASE 038350 B
BASE	GALBEX® 000183
BASE	GALBEX® FAMILY
BASE	IVY BASE 290958
BASE	OXANIA BASE 038231
BASE	OXANIA BASE FAMILY

OD

BASE	LEATHER OD 293316
BASE	OD SYNTH 184007
BASE	PRETTY OD 820526

MUSKY

926851	CIVETTONE
942008	EXALTENONE
941962	EXALTOLIDE®
935985	EXALTOLIDE® TOTAL
947303	HABANOLIDE®
947650	HELVETOLIDE®
962191	MUSCENONE®
962195	MUSCONE
954117	MUSCONE LAEVO
979031	ROMANDOLIDE®
BASE	AURANONE 911383
NEW BASE	HABANOLIDE® SUBST 260167

SPICY

938520	DIHYDROEUGENOL
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WATERY

918970	CALONE®
981810	SCENTENAL®

WOODY

922470	CEDROXYDE®
970953	CLEARWOOD®
937490	DARTANOL®
942596	FIRSANTOL®
967412	NORLIMBANOL®
NEW 967406	NORLIMBANOL® DEXTRO
963479	PHYSEOL
974656	POLYSANTOL®
978880	RHUBOFIX®
NEW 992959	Z11
NEW 992964	Z11 MIP
BASE	ARMENIAN WOOD BASE 260107 D
BASE	BLACK AGAR 296985
BASE	FIXOBOIS 066606 D
BASE	FIXOBOIS FAMILY
BASE	LIMBWOOD 109289 H
BASE	MYSORE WOOD BASE 260108 B
BASE	PALISANDROL 017979 F
BASE	SANDALWOOD 184025
BASE	SANDALWOOD FAMILY
BASE	TEAK 109955 G
BASE	TEAK 184173 B
BASE	VETYRISIA® 991002
BASE	WOOD BASE 260106

AMBERY

908685	AMBRANUM
925094	CISTUS ABS
<u>NEW</u> 925084	CISTUS ABS TYPE NAT
925115	CISTUS OIL
953418	LABDANUM ABS
<u>NEW</u> 953424	LABDANUM EXT TEC
953642	LABDANUM RES
962741	MYRRH ABS
<u>NEW</u> 962728	MYRRH EO
962731	MYRRH OIL
962735	MYRRH SFE
967844	OLIBANUM EO
967866	OLIBANUM EO RECT
967875	OLIBANUM RES
967880	OLIBANUM RES 80 TEC
939926	OLIBANUM SFE
968239	OPOPONAX ABS
968188	OPOPONAX EO
983551	STYRAX EO
220576	STYRAX OIL TYPE
983834	STYRAX RES
983835	STYRAX RES NEUTRALIZED

ANIMALIC

942629	CASTOREUM FIRBEST
948820	HYRACEUM ABS DIPG

BALSAMIC

915058	BENZON SIAM RES
915085	BENZON SIAM RES 50 DIPG
<u>NEW</u> 184235	BENZON SIAM RES SUBST DIPG
915063	BENZON SIAM SFE
915034	BENZON SUMATRA RES
915090	BENZON SUMATRA RES 50 DIPG
943208	HAY PAYS ABS
954888	LIATRIS ABS DECOL
971717	PERU BALSAM EO
971716	PERU BALSAM RES
988054	TOLU BALSAM RES TYPE
220951	TOLU RES TYPE NAT

AROMATIC

919030	CHAMOMILE BLUE EO
919099	CHAMOMILE ROMAN EO
919080	CHAMOMILE WILD EO
922549	CELERY SEED SFE
981593	CLARY SAGE PAYS ABS
981532	CLARY SAGE PAYS CRUSHED EO
928143	CORIANDER SEED EO
941302	EVERLASTING ABS
<u>NEW</u> 942402	FENUGREEK ABS
<u>NEW</u> 942403	FENUGREEK RES
954241	LAVANDIN ABS
954256	LAVANDIN ABS DECOL
220593	LAVANDIN ABS GREEN TYPE
220514	LAVANDIN CTE GREEN TYPE
954355	LAVANDIN GROSSO EO
220487	LAVENDER ABS TYPE NAT
954168	LAVENDER MAILLETTE PAYS EO
954144	LAVENDER PAYS ABS
956953	MARJORAM EO
957218	MATE ABS CTX
957163	MATE ABS DECOL CTX
<u>NEW</u> 960073	MINT OIL PIPERITA US TYPE SX
983154	MINT PIPERITA ABS
<u>NEW</u> 960067	MINT PIPERITA EO BOULDER SX
<u>NEW</u> 983169	MINT PIPERITA EO CASCADE SX
957582	MINT SPICATA ABS
978969	ROSEMARY SFE
940119	TARRAGON EO
987529	TEA BLACK SFE
987528	TEA GREEN SFE

FRUITY

921271	BLACKCURRANT BUD BURGUNDY ABS
917865	BUCHU EO AGED
941806	EVODIA EO
969340	OSMANTHUS ABS
984596	TAGETE MADAGASCAR EO

FLORAL

944945	BROOM ABS
984310	ELDERFLOWER ABS
220533	GERANIUM ABS TYPE
945686	GERANIUM EGYPT EO
952147	JASMINE ABS
220561	JASMINE ABS TYPE
952145	JASMINE AUTUMN ABS
952155	JASMINE EGYPT ABS
952657	JASMINE EGYPT SFE
952605	JASMINE SAMBAC ABS
952154	JASMINE SAMBAC CHINA ABS
942609	JASMINE SAMBAC FIRABS
966689	NEROLI BIGARADE EO
966805	NEROLI MOROCCO EO
942780	ORANGE FLOWER MOROCCO ABS
942790	ORANGE FLOWER TUNISIA ABS
950335	ORRIS ABS 75 IRONE
950128	ORRIS CTE NAT 8 IRONE
950121	ORRIS CTE NAT 15 IRONE
950179	ORRIS CTE TYPE 8 IRONE
220489	ORRIS CTE TYPE 15 IRONE
950123	ORRIS EXT
950124	ORRIS RES ABS
220454	ORRIS RES ABS TYPE
NEW 950289	ORRISCIENCE 8 IRONE
NEW 950290	ORRISCIENCE 15 IRONE
NEW 950342	ORRISCIENCE 75 IRONE
220658	ROSE ABS MOROCCO TYPE
979489	ROSE BULGARIA EO
942621	ROSE CENTIFOLIA FIRABS
979686	ROSE CENTIFOLIA PAYS ABS
979691	ROSE CONCRETE DIST
220622	ROSE DAMASCENA ABS TYPE
979692	ROSE EO
979195	ROSE MOROCCO ABS
220605 MF	ROSE OIL TYPE
979352	ROSE TURKISH ABS
992470	YLANG EO
220933	YLANG OIL TYPE

CITRUS

NEW 946979	GRAPEFRUIT OIL 5X
NEW 985950	GRAPEFRUIT TERPENES
NEW 926520	LEMON CITRONOVA® 1600 FAB
NEW 925661	LEMON OIL 4X
NEW 925615	LEMON OIL 10X
NEW 985462	LEMON TERPENES
NEW 987333	LEMON TETRAROME® FAB
NEW 926469	LIME TAHITI CITRONOVA® FAB
NEW 986056	LIME TERPENES
NEW 926528	MANDARINE CITRONOVA® FAB
NEW 986156	MANDARINE TERPENES
NEW 968402	ORANGE CARBONYLES
NEW 926477	ORANGE CITRONOVA® 5X FAB
NEW 926444	ORANGE CITRONOVA® 20X FAB
NEW 926437	ORANGE CITRONOVA® 60X FAB
NEW 968457	ORANGE ESS 10X
NEW 968392	ORANGE OIL 10X
NEW 986243	ORANGE TERPENES FAB
NEW 987442	ORANGE TETRAROME® FAB
NEW 968374	ORANGE VALENCIA OIL 5X
NEW 968442	ORANGE VALENCIA OIL DECOL
NEW 982091	SESQUITERPENES EX LEMON
NEW 926524	TANGERINE CITRONOVA® FAB
NEW 984692	TANGERINE CRAVO OIL 4X

GOURMAND

925005	BEESWAX ABS
220412	BEESWAX ABS TYPE NAT
924605	BEESWAX HONEYCOMB ABS
982450	BRAN WHEAT SOFT ABS
918805	COCOA DECOL PG
918868	COFFEE SANTOS SFE
918857	COFFEE SFE
942539	HONEY PROVENCE FIRABS
978907	RUM SFE
982089	SESAME SFE ABS
988195	TONKA BEAN ABS
988198	TONKA BEAN RES
990045	VANILLA PLANIFOLIA ABS
949657	VANILLA PLANIFOLIA INFUSION
990098	VANILLA PLANIFOLIA SFE
990070	VANILLA PLANIFOLIA SFE ABS
989947	VANILLA TAHITENSIS SFE
990068	VANILLA TAHITENSIS SFE ABS
990103	VANILLIN EX BEANS 95
927198	WINE LEES EO

GREEN

920941	CASSIE ABS
920945	CASSIE ABS TYPE NAT
944375	GALBANUM EO RECT
944451	GALBANUM PURIF EXT
944453	GALBANUM RES
944459	GALBANUM SFE
960019	MIMOSA ABS
960012	MIMOSA MOROCCO ABS
960024	MIMOSA PAYS ABS
972085	PETITGRAIN OIL
972064	PETITGRAIN PARAGUAY EO
991725	VIOLET LEAVE EGYPT ABS
991521	VIOLET LEAVE PAYS ABS

LEATHERY

936358	LEATHER MD
939912	OLIBANUM RES VULCAIN
973817	PINE NEEDLE ABS VULCAIN
983586	STYRAX RES VULCAIN

EARTHY - MOSSY

942627	OAKMOSS FIRBEST 50 MIP
942636	OAKMOSS RES FIRBEST
942626	TREEMOSS FIRBEST 50 TEC
942638	TREEMOSS RES FIRBEST

MUSKY

908840	AMBRETTE ABS
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LOUD

NEW	969406	LOUD ASSAFI™
NEW	942575	LOUD FIRBEST
NEW	BASE	LOUD ANOKHA 283528
NEW	BASE	LOUD MALEKI 283526
NEW	BASE	LOUD SAMRAT 283527

SPICY

920375	CARDAMOM ABS
920370	CARDAMOM GREEN POD SFE
920372	CARDAMOM GUATEMALA EO
919413	CINNAMON BARK SFE
946618	CLOVE BUD SFE
939853	ELEMI EO
939866	ELEMI RES
939865	ELEMI SFE
946422	GINGER CLEAR SFE
946417	GINGER SFE
962118	NUTMEG EO SLC
962178	NUTMEG EO RECT
220572	NUTMEG OIL TYPE
974644	PEPPER BLACK ABS PG
974611	PEPPER SICHUAN SFE
974642	PEPPER WHITE SFE CLEAR
974635	PEPPER WHITE SFE
911583	PINK PEPPER BRAZIL SFE
974606	PINK PEPPER EO
911582	PINK PEPPER REUNION EO
911584	PINK PEPPER REUNION SFE
911579	PINK PEPPER WW SFE
911558	STAR ANISE SFE

WOODY

	921588	CEDAR LEAF EO
	967442	CEDARWOOD ALASKA EO
	922044	CEDARWOOD VIRGINIA EO
	922051	CEDARWOOD VIRGINIA OIL RECT
	937415	CYPRIOL EO HEART
NEW	220440	FIR ABS TYPE NAT
	970929	PATCHOULI HEART SFE
	973814	PINE NEEDLE ABS
	989909	VALERIAN EO
	991154	VETIVER HAITI EO
	220716	VETIVER OIL TYPE
	991252	VETIVER SFE

SFE: Supercritical Fluid Extraction

Supercritical CO₂ Extraction is a technology in which carbon dioxide, put beyond its critical point (73 bars and 30°C), becomes a supercritical fluid with special properties.

The extraction carried out at a low temperature preserves the natural profile identity of the raw material. It is among the most advanced and sustainable extraction technologies and is also safe for the workers and the environment.

MD: Molecular Distillation

Distillation at low temperature under vacuum, for specific fractionation.

Used to obtain colorless products, as well as very precise fractions of any kind of extract.

EO: Essential Oil

Obtained by distillation of the biomass with water or steam.

The essential oil is physically separated from the aqueous phase by decantation.

CTE: Concrete

Obtained by primary volatile solvent extraction on fresh biomass (flowers).

RES: Resinoid

Obtained by primary volatile solvent extraction on dry biomass (gums, spices).

ABS: Absolute

Obtained through alcoholic purification of a primary solvent extraction (concrete or resinoid).

FIRABS / FIRBEST: Co-Extraction

Result of a harmonious synergy between our perfumers, our natural specialists and our scientists, these ingredients comes from a co- extraction of natural and synthetic ingredients of which some are captives.

For FIRABS the natural part is a blend of natural ingredients containing the named ingredient co-extracted with a synthetic ingredient part. This part can be a base or just a single molecule.

FIRBEST are developed on the same way BUT they do not contain the mentioned ingredient. They are reconstitution-like ingredients, a technical response to an artistic demand.

VULCAIN: Pyrogenation

A controlled and monitored creation of pyrogenized molecules during a specific heating process.

COLD EXPRESSION

Expression is the name given to all the techniques for producing an essential oil by squeezing citrus peel (zest). From the whole fruit, zests are scratched by various mechanical techniques. The liquid is then filtered and the oil is obtained from decantation.

TETRAROME®

Citrus oils concentrated via extraction using proprietary solvent systems.

CITRONOVA®

Highly concentrated citrus oils manufactured via distillation and/or fractionation.

Type: Blend of materials.

AN ICONIC CREATOR

2016
First launch of **AMBROX® SUPER**
from White Biotech – a new
breakthrough in modern chemistry

First born from our White Biotech Platform, **CLEARWOOD®** is a breakthrough patchouli profile ingredient

Discovery of **NEOBUTENONE®**, one of the corner stones in the history of perfumery

Our team, Ruzicka, Demole and Saubertli discovers **DAMASCONE β** , **DAMASCENONE**, **DAMASCONE α** in rose, and their synthesis

Firmenich launches **HEDIONE®** and **SPLENDIONE®** and 30 years later, **HEDIONE® HC** and then **PARADISONE®**

2018
First law
via White

The fascinating story of Firmenich molecules starts with the discovery and synthesis of **IRALIA®**

Pr. Ruzicka receives the Nobel Prize for his discovery and synthesis of two key molecules found in natural musk: **MUSCONE**, **CIVETONE**

EXALTOLIDE®, the first and most noble molecule of the musk family is created based on Professor Ruzicka's work

Firmenich invents and launches a 100% chemical synthesis route to avoid clary sage shortage: **AMBROX® DL**

Firmenich launches
CETALOX® (Synthetic
pure Ambrox® racemic)

MUSCENONE® and **HABANOLIDE®**, unsaturated version of macrocyclic musks, created in the footsteps of Pr. Ruzicka's work

Part of Firmenich's pioneering heritage in musk discovery and synthesis, **ROMANDOLIDE®** is the latest allycyclic musk

Firmenich discovers the chemical structure and synthesis route of **AMBROX®**, part of the natural mysterious Ambregris

Firmenich ingredients division extends its innovative and competitive skills to the production of **NATURALS**

Creation of the Natural Center
of Expertise in Grasse (France)

Launch of #NaturalsTogether Program

Firmenich and Jasmine Concrete Ltd
sign a Joint Venture in India

First CO₂ extraction of
Pink Pepper

Firmenich and Essex Laboratories
sign a Joint Venture in USA

Firmenich and Essex Laboratories
sign a Joint Venture in USA