INTERNATIONAL FRAGRANCE COMPANY
in alliance with dsm-firmenich

Presence of EU Fragrance Allergens

This document replaces all previously produced versions for this product

SPUNK 4073347

This document lists the fragrance allergens according to Regulation (EC) No 1223/2009 including the Commission Regulation (EU) 2023/1545 of 26 July 2023 amending the regulation as regards labelling of fragrance allergens in cosmetic products.

Allergen	Note	Total Conc. % in Fragrance
Alpha-Isomethyl-ionone CAS# 127-51-5		--
Amyl Cinnamal CAS# 122-40-7		--
AmylCinnamyl Alcohol CAS# 101-85-9		--
Anise Alcohol CAS# 105-13-5		--
Benzyl Alcohol CAS# 100-51-6		--
Benzyl Benzoate CAS# 120-51-4		0.009
Benzyl Cinnamate CAS# 103-41-3		--
Benzyl Salicylate CAS# 118-58-1		--
Butylphenyl Methylpropional CAS# 80-54-6	1	--
Cinnamal CAS# 104-55-2		--
Cinnamyl Alcohol CAS# 104-54-1		--
Citral CAS# 5392-40-5 / 141-27-5 / 106-26-3		0.118
Citronellol CAS# 106-22-9 / 26489-01-0 / 1117-61-9 / 7540-51-4		0.066
Coumarin CAS# 91-64-5		2.223
Eugenol CAS# 97-53-0		0.297
Evernia Furfuracea (Treemoss) Extract CAS# 90028-67-4		--
Evernia Prunastri (Oakmoss) Extract CAS# 90028-68-5		--

Presence of EU Fragrance Allergens

SPUNK 4073347

Allergen	Note	Total Conc. % in Fragrance
Farnesol CAS# 4602-84-0		--
Geraniol CAS# 106-24-1		0.031
Hexyl Cinnamal CAS# 101-86-0		--
Hydroxycitronellal CAS# 107-75-5		--
Hydroxyisohexyl 3-&4-Cyclohexene Carboxaldehyde (HMPCC) CAS# 51414-25-6 / 31906-04-4	1, 2	--
Hydroxyisohexyl-3-Cyclohexene Carboxaldehyde CAS# 31906-04-4	1	--
Isoeugenol CAS# 97-54-1 / 5932-68-3 / 5912-86-7		0.002
Limonene CAS# 138-86-3 / 7705-14-8 / 5989-27-5 / 5989-54-8		3.466
Linalool CAS# 78-70-6		1.737
Methyl-2-Octynoate CAS# 111-12-6		--
3-Propylidenephthalide CAS# 17369-59-4	3	--
6-Methyl coumarin CAS# 92-48-8	3	--
Acetyl Cedrene CAS# 32388-55-9	3	0.071
Alpha-Terpinene CAS# 99-86-5	3	0.023
Amyl Salicylate CAS# 2050-08-0	3	--
Anethole CAS# 104-46-1 / 4180-23-8	3	--
Benzaldehyde CAS# 100-52-7	3	--
Beta-Caryophyllene CAS# 87-44-5	3	0.079
Camphor CAS# 76-22-2 / 21368-68-3 / 464-49-3 / 464-48-2	3	0.038
Cananga Odorata Oil/Extract CAS# 83863-30-3 / 8006-81-3 / 68606-83-7 / 93686-30-7	3	--
Carvone CAS# 99-49-0 / 6485-40-1 / 2244-16-8	3	0.002
Cedrus Atlantica Oil/ Extract CAS# 92201-55-3 / 8023-85-6	3	--
Cinnamomum Cassia Leaf Oil CAS# 8007-80-5 / 84961-46-6	3	--

Presence of EU Fragrance Allergens

SPUNK 4073347

Allergen	Note	Total Conc. % in Fragrance
Cinnamomum Zeylanicum Bark Oil CAS# 8015-91-6 / 84649-98-9	3	--
Citrus Aurantium Bergamia Peel Oil CAS# 8007-75-8 / 89957-91-5 / 68648-33-9 / 85049-52-1	3	--
Citrus Aurantium Flower Oil CAS# 72968-50-4 / 8028-48-6 / 8016-38-4	3	0.351
Citrus Aurantium Peel Oil CAS# 68916-04-1 / 72968-50-4 / 97766-30-8 / 8028-48-6 / 8008-57-9	3	0.749
Citrus Limon Peel Oil CAS# 84929-31-7 / 8008-56-8	3	2.179
Dimethyl Phenethyl Acetate CAS# 151-05-3	3	--
Eucalyptus Globulus Oil CAS# 97926-40-4 / 8000-48-4	3	0.037
Eugenia Caryophyllus Oil CAS# 8000-34-8 / 8015-97-2 / 84961-50-2	3	--
Eugenyl acetate CAS# 93-28-7	3	--
Geranyl acetate CAS# 105-87-3	3	0.051
Hexadecanolactone CAS# 109-29-5	3	--
Hexamethylindanopyran CAS# 1222-05-5	3	16.532
Isoeugenyl acetate CAS# 93-29-8	3	--
Jasmine Oil/Extract CAS# 84776-64-7 / 90045-94-6 / 8022-96-6 / 8024-43-9	3	--
Juniperus Virginiana Oil CAS# 8000-27-9 / 85085-41-2	3	1.704
Laurus Nobilis Leaf Oil CAS# 8002-41-3 / 8007-48-5 / 84603-73-6	3	--
Lavandula Oil/ Extract CAS# 91722-69-9 / 8022-15-9 / 93455-96-0 / 93455-97-1 / 92623-76-2 / 84776-65-8 / 8000-28-0 / 90063-37-9	3	0.148
Lemongrass Oil CAS# 8007-02-1 / 89998-16-3 / 91844-92-7	3	--
Linalyl acetate CAS# 115-95-7	3	3.282
Lippia citriodora absolute CAS# 8024-12-2 / 85116-63-8	3	--
Mentha Piperita Oil CAS# 8006-90-4 / 84082-70-2	3	--
Mentha Viridis Leaf Oil CAS# 8008-79-5 / 84696-51-5	3	--

Presence of EU Fragrance Allergens

SPUNK 4073347

Allergen	Note	Total Conc. % in Fragrance
Menthol CAS# 89-78-1 / 1490-04-6 / 2216-51-5 / 15356-60-2	3	--
Methyl salicylate CAS# 119-36-8	3	--
Myroxylon Pereirae Oil/ Extract CAS# 8007-00-9	3	--
Narcissus Extract CAS# 90064-26-9 / 68917-12-4 / 90064-27-0 / 90064-25-8	3	--
Pelargonium Graveolens Flower Oil CAS# 90082-51-2 / 8000-46-2	3	0.044
Pinene CAS# 80-56-8 / 7785-70-8 / 127-91-3 / 18172-67-3	3	1.145
Pinus Mugo CAS# 90082-72-7	3	--
Pinus Pumila CAS# 97676-05-6	3	--
Pogostemon Cablin Oil CAS# 8014-09-3 / 84238-39-1	3	--
Rose Flower Oil/Extract CAS# 8007-01-0 / 90106-38-0 / 93334-48-6 / 84696-47-9 / 84604-12-6 / 84604-13-7 / 92347-25-6	3	--
Rose Ketones CAS# 43052-87-5 / 23726-94-5 / 24720-09-0 / 23696-85-7 / 57378-68-4 / 71048-82-3 / 23726-92-3 / 23726-91-2	3	0.074
Salicylaldehyde CAS# 90-02-8	3	--
Santalol CAS# 11031-45-1 / 115-71-9 / 77-42-9	3	--
Santalum Album Oil CAS# 8006-87-9 / 84787-70-2	3	--
Sclareol CAS# 515-03-7	3	0.027
Terpineol CAS# 8000-41-7 / 98-55-5 / 138-87-4 / 586-81-2	3	0.094
Terpinolene CAS# 586-62-9	3	0.042
Tetramethyl acetyloctahydronaphthalenes CAS# 54464-57-2 / 54464-59-4 / 68155-66-8 / 68155-67-9	3	15.004
Trimethylbenzenepropanol CAS# 103694-68-4	3	--
Trimethylcyclopentenyl Methylisopentenol CAS# 67801-20-1	3	--
Turpentine CAS# 9005-90-7 / 8006-64-2 / 8052-14-0	3	--
Vanillin CAS# 121-33-5	3	0.963

Notes:

[1] Substance listed in Annex II of Regulation (EC) No 1223/2009 on cosmetic products.

[2] Corresponds to the commercial quality, which includes the major isomer 4-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde and the minor isomer 3-(4-Hydroxy-4-methylpentyl)-3-cyclohexene-1-carboxaldehyde.

[3] Cosmetic products containing that substance that do not comply with the labelling requirements may benefit of the transition period according to the Commission regulation (EU) 2023/1545 of 26 July 2023.

Concentrations are given in % weight in the formula. Concentrations indicated as "-" indicate that the substances are <10ppm according to the standard methods developed by the International Fragrance Association (IFRA) (Chaintreau et al., 2003, J. Agric. Food Chem., in press, and the Method for analysis of allergens EN16274:2021 - Quantification of an extended list of 57 suspected allergens in ready to inject fragrance materials by gas chromatography mass spectrometry).

For single raw materials, the figures are those resulting from analysis using the analytical method referred above and information provided by suppliers.
As a rule, different deliveries/production lots of the same material are measured and the figures indicated here are based on historical maximum values and information given by suppliers.
Due to the complexity of quantifying natural complex substances by analytical methodology, the declaration of their presence is not based on analytical measurements but based on screening techniques during the fragrance formula creation.

By incorporating safety margins and taking upper limit of variation into our calculations MG is intending to ensure stable allergens declarations over multiple deliveries avoiding any declaration change over the life of the fragrance product. The locking of allergen concentrations is more effective than running measurement of each delivery of the fragrance composition.
The concentrations given for these substances represent the most accurate information that we can currently technically supply based on intentionally added raw materials at the time of the manufacturing process and according to the EU Cosmetic Products Regulation (EC) No. 1223/2009. However, it is possible that over time and independently of our best intentions, variations in these levels can occur particularly due to changes in the composition of natural ingredients, during maceration or storage or due to other chemical interactions.

This is an electronically generated document, which is valid without signature.

This document is provided for information purposes only. The data contained herein has been prepared by MG in accordance with its own methodology and is, to the best of MG's knowledge, true and accurate at the time of issuance. It is customer's responsibility to conduct its own evaluations on the material(s) concerned, including with respect to end-use applications. Any product, marketing or other claims made by customer are its sole responsibility.