

# Firmenich

## Presence of Fragrance Allergens

### . JASMIN

	<u>Direct Addition</u>	<u>Indirect Nat</u>	<u>Indirect Synth</u>	<u>Total</u>
Alpha-Isomethyl-ionone CAS# 127-51-5	< 1ppm	< 1ppm	< 1ppm	< 1ppm
Amyl Cinnamal CAS# 122-40-7	< 1ppm	< 1ppm	0.0143%	0.0143%
AmylCinnamyl Alcohol CAS# 101-85-9	< 1ppm	< 1ppm	< 1ppm	< 1ppm
Anise Alcohol CAS# 105-13-5	< 1ppm	< 1ppm	< 1ppm	< 1ppm
Benzyl Alcohol CAS# 100-51-6	< 1ppm	0.0023%	0.0432%	0.0455%
Benzyl Benzoate CAS# 120-51-4	< 1ppm	0.0916%	0.0266%	0.1182%
Benzyl Cinnamate CAS# 103-41-3	< 1ppm	0.0003%	< 1ppm	0.0003%
Benzyl Salicylate CAS# 118-58-1	< 1ppm	0.0725%	< 1ppm	0.0725%
Butylphenyl Methylpropional CAS# 80-54-6	< 1ppm	< 1ppm	< 1ppm	< 1ppm
Cinnamal CAS# 104-55-2	< 1ppm	0.0002%	< 1ppm	0.0002%
Cinnamyl Alcohol CAS# 104-54-1	< 1ppm	0.0011%	< 1ppm	0.0011%
Citral CAS# 5392-40-5	< 1ppm	0.0006%	< 1ppm	0.0006%
Citronellol CAS# 106-22-9	< 1ppm	< 1ppm	< 1ppm	< 1ppm
Coumarin CAS# 91-64-5	< 1ppm	< 1ppm	< 1ppm	< 1ppm
Eugenol CAS# 97-53-0	0.0700%	0.0041%	< 1ppm	0.0741%
Evernia Furfuracea (Treemoss) Extract CAS# 90028-67-4	< 1ppm	< 1ppm	< 1ppm	< 1ppm
Evernia Prunastri (Oakmoss) Extract CAS# 90028-68-5	< 1ppm	< 1ppm	< 1ppm	< 1ppm
Farnesol CAS# 4602-84-0	< 1ppm	0.0300%	< 1ppm	0.0300%
Geraniol CAS# 106-24-1	< 1ppm	0.0109%	< 1ppm	0.0109%
Hexyl Cinnamal CAS# 101-86-0	22.8893%	< 1ppm	< 1ppm	22.8893%

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Hydroxycitronellal CAS# 107-75-5	9.9000%	< 1ppm	< 1ppm	9.9000%
Hydroxyisohexyl-3-Cyclohexene Carboxaldehyde CAS# 31906-04-4	< 1ppm	< 1ppm	< 1ppm	< 1ppm
Hydroxyisohexyl 3-&4-Cyclohexene Carboxaldehyde (HMPCC)* CAS# 51414-25-6 / 31906-04-4	< 1ppm	< 1ppm	< 1ppm	< 1ppm
Isoeugenol # 97-54-1	< 1ppm	0.0125%	0.0011%	0.0136%
Limonene CAS# 138-86-3	< 1ppm	0.0004%	0.0003%	0.0007%
Linalool CAS# 78-70-6	14.8626%	0.1428%	0.0007%	15.0061%
Methyl-2-Octynoate CAS# 111-12-6	< 1ppm	< 1ppm	< 1ppm	< 1ppm

\*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.

This list is comprised of the 'fragrance allergens' identified by SCCNFP and Cosmetics Europe (ex-COLIPA). These are calculated concentrations which do not replace chromatographic quantification on individual lots. '<1ppm' indicates that the substance has not been directly added. It could still arise as an impurity in added synthetics or natural ingredients at levels below 1ppm.

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