

Presence of Fragrance Allergens

This document replaces all previously produced versions for this product.

032048 SAEK - MANDARINAL 032048 SAEK

This document declares the content of 26 fragrance allergens listed in “entries 45 and 67–92 of Annex III” and “entries 1666 and 1380 of Annex II” of Regulation (EC) No 1223/2009.

	Direct Addition	Indirect Nat	Indirect Synth	Total
Alpha-Isomethyl-ionone CAS# 127-51-5	-	-	-	-
Amyl Cinnamal CAS# 122-40-7	0.2870%	-	-	0.2870%
AmylCinnamyl Alcohol CAS# 101-85-9	-	-	0.0029%	0.0029%
Anise Alcohol CAS# 105-13-5	-	-	-	-
Benzyl Alcohol CAS# 100-51-6	0.0204%	0.0003%	0.0034%	0.0241%
Benzyl Benzoate CAS# 120-51-4	0.0005%	0.0052%	0.0005%	0.0062%
Benzyl Cinnamate CAS# 103-41-3	-	-	-	-
Benzyl Salicylate CAS# 118-58-1	-	0.0026%	-	0.0026%
Butylphenyl Methylpropional CAS# 80-54-6	-	-	-	-
Cinnamal CAS# 104-55-2	-	-	-	-
Cinnamyl Alcohol CAS# 104-54-1	-	-	-	-
Citral CAS# 5392-40-5	0.1967%	0.0315%	0.0005%	0.2287%
Citronellol CAS# 106-22-9	0.0070%	0.0062%	0.0004%	0.0136%
Coumarin CAS# 91-64-5	-	0.0001%	-	0.0001%
Eugenol CAS# 97-53-0	-	0.0009%	-	0.0009%
Evernia Furfuracea (Treemoss) Extract CAS# 90028-67-4	-	-	-	-
Evernia Prunastri (Oakmoss) Extract CAS# 90028-68-5	-	-	-	-
Farnesol CAS# 4602-84-0	-	0.0015%	-	0.0015%
Geraniol CAS# 106-24-1	0.0267%	0.0221%	0.0007%	0.0496%
Hexyl Cinnamal CAS# 101-86-0	-	-	0.0007%	0.0007%
Hydroxycitronellal CAS# 107-75-5	-	-	-	-

	Direct Addition	Indirect Nat	Indirect Synth	Total
Hydroxyisohexyl-3-Cyclohexene Carboxaldehyde CAS# 31906-04-4	-	-	-	-
Hydroxyisohexyl 3-&4-Cyclohexene Carboxaldehyde (HMPCC)* CAS# 51414-25-6 / 31906-04-4	-	-	-	-
Isoeugenol CAS# 97-54-1	-	0.0005%	-	0.0005%
Limonene CAS# 5989-27-5	12.2262%	4.9547%	0.0727%	17.2536%
Linalool CAS# 78-70-6	9.9089%	0.1111%	0.0035%	10.0235%
Methyl-2-Octynoate CAS# 111-12-6	-	-	-	-

*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.

These are calculated concentrations which do not replace chromatographic quantification on individual lots. “-“ indicates that the substance is not analytically detectable < 1ppm. It could still arise as an impurity in added synthetics or natural ingredients at levels below 1ppm.