

## Presence of Fragrance Allergens

This document replaces all previously produced versions for this product.

### 184212 D - WARDIA® BM

	Direct Addition	Indirect Nat	Indirect Synth	Total
Alpha-Isomethyl-ionone CAS# 127-51-5	0.0047%	-	-	0.0047%
Amyl Cinnamal CAS# 122-40-7	-	-	-	-
AmylCinnamyl Alcohol CAS# 101-85-9	-	-	-	-
Anise Alcohol CAS# 105-13-5	-	0.0001%	-	0.0001%
Benzyl Alcohol CAS# 100-51-6	0.3800%	0.0019%	0.1471%	0.5289%
Benzyl Benzoate CAS# 120-51-4	0.0451%	0.0045%	-	0.0496%
Benzyl Cinnamate CAS# 103-41-3	-	0.0263%	-	0.0263%
Benzyl Salicylate CAS# 118-58-1	-	0.0001%	-	0.0001%
Butylphenyl Methylpropional CAS# 80-54-6	-	-	-	-
Cinnamal CAS# 104-55-2	-	0.0005%	0.0003%	0.0008%
Cinnamyl Alcohol CAS# 104-54-1	0.0600%	0.0030%	-	0.0630%
Citral CAS# 5392-40-5	-	0.1351%	0.0620%	0.1971%
Citronellol CAS# 106-22-9	10.3500%	0.9458%	0.0385%	11.3343%
Coumarin CAS# 91-64-5	-	0.0001%	-	0.0001%
Eugenol CAS# 97-53-0	0.7500%	0.0011%	-	0.7511%
Evernia Furfuracea (Treemoss) Extract CAS# 90028-67-4	-	-	-	-
Evernia Prunastri (Oakmoss) Extract CAS# 90028-68-5	-	-	-	-
Farnesol CAS# 4602-84-0	-	-	-	-
Geraniol CAS# 106-24-1	7.6489%	0.2437%	0.0743%	7.9669%
Hexyl Cinnamal CAS# 101-86-0	-	-	-	-
Hydroxycitronellal CAS# 107-75-5	1.2812%	-	-	1.2812%

	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	-	0.0011%	-	0.0011%
Limonene CAS# 5989-27-5	-	0.0065%	0.0003%	0.0068%
Linalool CAS# 78-70-6	1.3568%	0.1067%	0.0006%	1.4642%
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.

This list is comprised of the 'fragrance allergens' identified by SCCS and Cosmetics Europe (ex-COLIPA).

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.