

IFRA CERTIFICATE & EU ALLERGEN DECLARATION

Damascone Beta

Product Name: Damascone Beta

Chemical Name: (E)-1-(2,6,6-Trimethyl-1-cyclohexen-1-yl)-2-buten-1-one

Synonyms: Trans- β -Damascone, (E)- β -Damascone

CAS No.: 23726-91-2

EC No.: 245-842-1

Molecular Formula: C₁₃H₂₀O

Molecular Weight: 192.30 g/mol

Grade: Cosmetic & Perfumery Grade

IFRA's Rose Ketones Standard specifically includes CAS 23726-91-2 (trans- β -Damascone).

IFRA CONFORMITY CERTIFICATE

Damascone Beta is covered by the IFRA **Rose Ketones** restriction. The restriction is driven by **dermal sensitization**. Importantly, the limits apply to Rose Ketones **individually or in combination**; where multiple covered rose ketones are present, their summed concentration must not exceed the applicable limit.

IFRA Category Maximum in Finished Product

Category 1 0.0077%

Category 2 0.0023%

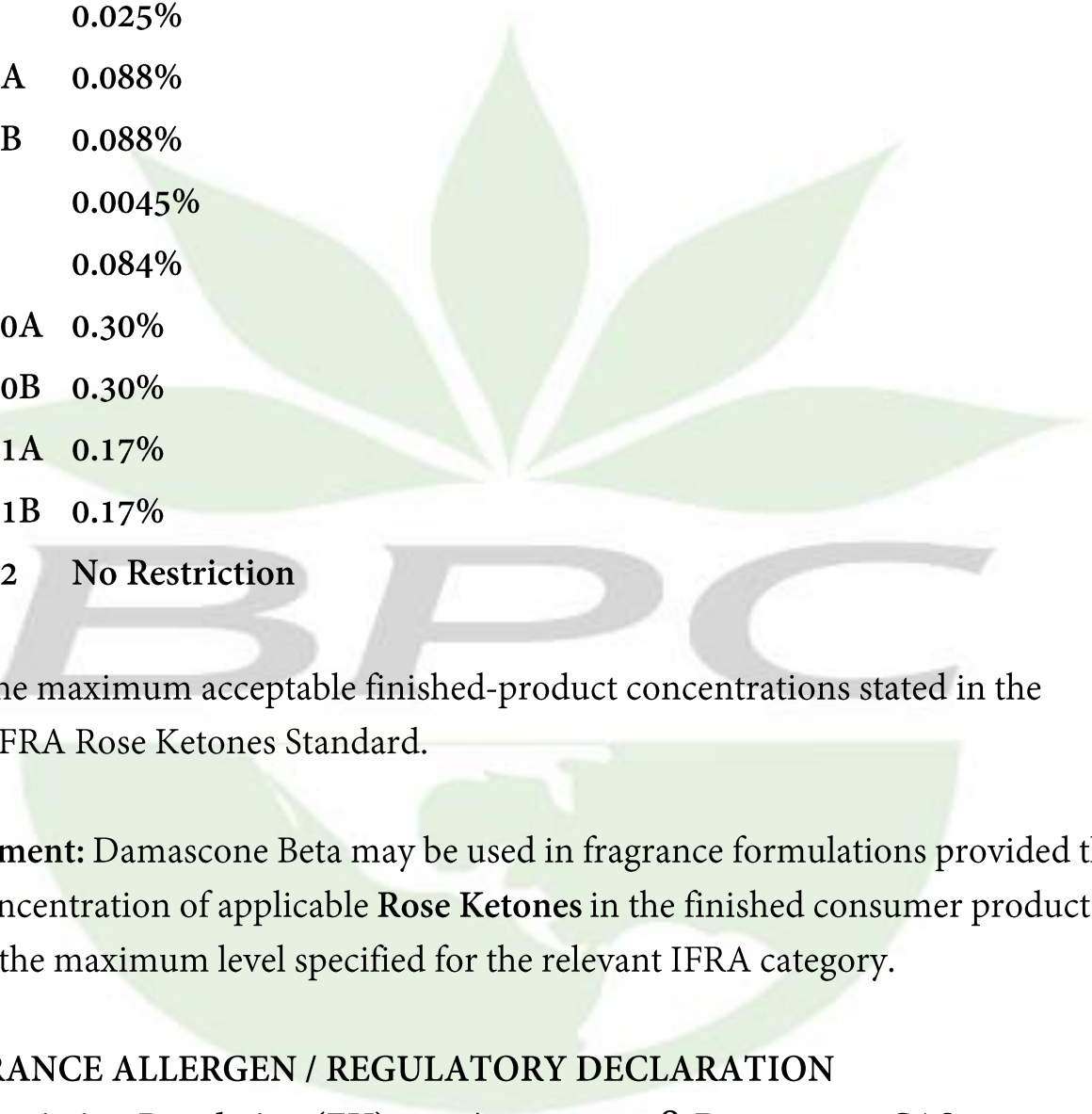
Category 3 0.046%

Category 4 0.043%

Category 5A 0.011%

Category 5B 0.011%

IFRA Category Maximum in Finished Product



Category 5C	0.011%
Category 5D	0.011%
Category 6	0.025%
Category 7A	0.088%
Category 7B	0.088%
Category 8	0.0045%
Category 9	0.084%
Category 10A	0.30%
Category 10B	0.30%
Category 11A	0.17%
Category 11B	0.17%
Category 12	No Restriction

These are the maximum acceptable finished-product concentrations stated in the published IFRA Rose Ketones Standard.

IFRA Statement: Damascone Beta may be used in fragrance formulations provided that the total concentration of applicable **Rose Ketones** in the finished consumer product does not exceed the maximum level specified for the relevant IFRA category.

EU FRAGRANCE ALLERGEN / REGULATORY DECLARATION

Under **Commission Regulation (EU) 2023/1545**, trans- β -Damascone, CAS 23726-91-2, is included within the group declared as “**Rose Ketones**.” The regulation groups it together with alpha-damascone, damascenone/rose ketone 4, delta-damascone, cis-beta-damascone and related rose ketones.

EU Maximum Concentration

For **other cosmetic products**, the maximum concentration specified for the Rose Ketones group is:

0.02% in the ready-for-use finished cosmetic product.

EU Allergen Labeling Threshold

When the concentration of the applicable Rose Ketone substance(s) exceeds:

Leave-on products: 0.001% (10 ppm)

Rinse-off products: 0.01% (100 ppm)

the presence must be indicated in the cosmetic product ingredient list using the designation:

ROSE KETONES

This labeling requirement and the inclusion of trans- β -Damascone CAS 23726-91-2 are explicitly set out in Regulation (EU) 2023/1545.

EU Declaration

Damascone Beta (trans- β -Damascone), CAS 23726-91-2, is an EU-regulated fragrance allergen component within the “Rose Ketones” group.

For cosmetic products placed on the EU market, the finished formulation must comply with the applicable **0.02% maximum concentration** and, where the applicable threshold is exceeded, the ingredient list must declare “**Rose Ketones.**”

Regulatory Note

The European Commission's SCCS documentation identifies trans- β -Damascone as CAS 23726-91-2, EC 245-842-1, and previously documented its restriction under Annex III.

The IFRA limit and EU legal maximum are **separate requirements**. Where both apply to a finished cosmetic, the formulation must satisfy the applicable requirements of each system; therefore, the lower applicable concentration may control depending on the product category.

Declaration

Based on the regulatory information reviewed:

IFRA Status: Restricted – Rose Ketones Standard

EU Cosmetic Status: Restricted under Annex III

EU Allergen Declaration Name: Rose Ketones

CAS No.: 23726-91-2

EC No.: 245-842-1

EU Maximum: 0.02% in applicable finished cosmetic products

Leave-on Labeling Threshold: 0.001%

Rinse-off Labeling Threshold: 0.01%



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