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IFRA COMPLIANCE STATEMENT

IFRA Standards – 51st Amendment

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Raspberry Ketone Natural

PRODUCT INFORMATION

Product Name: Raspberry Ketone Natural
Chemical Name: 4-(4-Hydroxyphenyl)butan-2-one
Synonym: 4-P-Hydroxyphenyl-2-Butanone

CAS Number: 5471-51-2
EC Number: 226-806-4
FEMA Number: 2588

Molecular Formula: C₁₀ H₁₂O₂
Molecular Weight: 164.2 g/mol
Product Type: Natural Aromatic Raw Material / Fragrance Ingredient
Concentration: 100% / Neat Material

IFRA RESTRICTION

Raspberry Ketone, CAS 5471-51-2, is subject to an IFRA Restriction Standard. The critical effect driving the restriction is depigmentation.

IFRA MAXIMUM USE LEVELS

The following limits apply to the finished consumer product for concentrated/neat Raspberry Ketone:

IFRA Category	Maximum Level in Finished Product
Category 1	0.68%
Category 2	1.00%
Category 3	0.27%
Category 4	1.00%
Category 5A	1.00%



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IFRA Category	Maximum Level in Finished Product
Category 5B	0.14%
Category 5C	0.27%
Category 5D	0.045%
Category 6	0.82%
Category 7A	0.41%
Category 7B	0.41%
Category 8	0.045%
Category 9	1.00%
Category 10A	1.00%
Category 10B	1.00%
Category 11A	0.045%
Category 11B	0.045%
Category 12	78.00%

The underlying IFRA Standard identifies Raspberry Ketone as a restricted material, and a current IFRA 51 conformity certificate for the neat standard reports these category limits.

FINE FRAGRANCE USE

IFRA Category 4 – Fine Fragrance: Maximum 1.00% in the finished product.

Therefore, for a perfume classified under Category 4, concentrated Raspberry Ketone should not exceed 1.00% of the finished product under this standard.

RESTRICTED MATERIAL

Ingredient	CAS Number	Concentration in Raw Material	Restriction
Raspberry Ketone	5471-51-2	100%	IFRA Restricted

BASIS OF RESTRICTION

IFRA Standard Type: Restriction

Critical Effect: Depigmentation

The IFRA Standard specifies that this material should be used only within the limited quantities established by the Standard.

DECLARATION OF CONFORMITY

Based on the applicable IFRA Standard for 4-(4-Hydroxyphenyl)butan-2-one (Raspberry Ketone), CAS 5471-51-2, Raspberry Ketone Natural – Concentrated may be used in fragrance applications provided that its concentration in the finished consumer product does not exceed the applicable maximum level stated above.

These limits apply to the neat/concentrated Raspberry Ketone. They should not be confused with certificates for diluted products such as Raspberry Ketone 10% in TEC, where the allowable



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percentage of the diluted raw material is correspondingly different. A current certificate for a 10% TEC dilution, for example, explicitly identifies Raspberry Ketone at 10% in that mixture.

This certificate does not replace a comprehensive safety assessment of the finished formulation.

Authorised by:

Fozia Khot

Director