



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Parameter	Details
Product Name	Rose Raduga Absolute
Botanical Identity	<i>Rosa</i> hybrid cultivar "Raduga"
INCI Name	<i>Rosa Damascena</i> Flower Extract / <i>Rosa</i> Flower Extract
CAS Number	8007-01-0
Plant Part Used	Fresh flowers
Extraction Method	Solvent extraction followed by ethanol washing and concentration
Country of Origin	Bulgaria
Product Type	Natural botanical absolute
Grade	Premium professional perfumery grade
Carrier or Diluent	None, unless otherwise declared

Analytical Specifications

Test	Specification	Representative Result
Appearance	Viscous liquid to soft semi-solid	Complies
Colour	Orange-red to deep reddish-brown	Deep reddish-brown
Odour	Rich, spicy, floral and characteristic rose	Complies
Relative Density at 20 °C	0.940–1.030	0.986
Refractive Index at 20 °C	1.4800–1.5350	1.5072
Acid Value	Maximum 15.0 mg KOH/g	6.8 mg KOH/g
Peroxide Value	Maximum 10.0 meq O ₂ /kg	3.6 meq O ₂ /kg
Water Content	Maximum 1.0%	0.31%
Flash Point	Minimum 60 °C	Above 70 °C
Solubility in Alcohol	Soluble; slight opalescence permitted	Pass
Solubility in Water	Insoluble	Complies
Residual Solvents	Within applicable limits	Pass
Foreign Matter	Absent	Pass

Representative GC-MS Profile



Constituent	CAS No.	Representative Result (%)
Phenethyl Alcohol	60-12-8	30.00
Citronellol	106-22-9	16.50
Geraniol	106-24-1	10.20
Nerol	106-25-2	4.80
Nonadecane	629-92-5	6.50
Heneicosane	629-94-7	3.80
Farnesol	4602-84-0	1.60
Eugenol	97-53-0	1.20
Linalool	78-70-6	0.85
Benzyl Alcohol	100-51-6	0.65
Geranyl Acetate	105-87-3	0.55
Methyl Eugenol	93-15-2	0.20
Natural Waxes/Non-Volatiles	Various	16.00
Other Natural Constituents	Various	7.15

Quality and Purity Declaration

Parameter	Status
Synthetic Fragrance Added	No
Artificial Colour Added	No
Preservatives Added	No, unless declared
Animal-Derived Material	None
Phthalates Intentionally Added	No
GMO Material	Not expected
Irradiation	Not irradiated
Suitable for Professional Perfumery	Yes

Storage and Shelf Life

Store at 5–20 °C in tightly closed containers, protected from sunlight, heat, moisture and oxidation.

Recommended shelf life: 24 months unopened under recommended conditions.

Conclusion

Based on the representative results above, the material complies with the established quality specifications for Rose Raduga Absolute

Disclaimer

This is a representative COA template and not evidence of laboratory testing of a specific batch. Results must be verified or replaced using the original producer's batch-specific Certificate of Analysis and analytical reports

Authorised by

Fozia Khot

Director

Aromology Trading LLC