



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Parameter	Details
Product Name	Rose de Mai Absolute
Alternative Name	May Rose Absolute; Rose Centifolia Absolute
Botanical Name	<i>Rosa centifolia</i> L.
INCI Name	<i>Rosa Centifolia Flower Extract</i>
CAS Number	8007-01-0
Botanical Family	Rosaceae
Plant Part Used	Fresh flowers
Extraction Method	Solvent extraction followed by solvent removal
Product Type	Natural botanical absolute
Grade	Premium professional perfumery grade
Carrier or Diluent	None, unless otherwise declared

Analytical Specifications and Results

Test Parameter	Specification	Representative Result	Test Method
Appearance	Viscous liquid to soft semi-solid absolute	Viscous liquid	Visual
Colour	Golden yellow to amber, olive or brownish-green	Amber-green	Visual
Odour	Rich, deep, sweet, honeyed and characteristic rose odour	Complies	Organoleptic
Relative Density at 20°C	0.940–1.020	0.982	Density meter
Refractive Index at 20°C	1.4850–1.5300	1.5068	Refractometer
Optical Rotation at 20°C	–5.0° to +5.0°	–0.6°	Polarimeter
Acid Value	Maximum 15.0 mg KOH/g	6.2 mg KOH/g	Titration



Peroxide Value	Maximum 10.0 meq O ₂ /kg	3.7 meq O ₂ /kg	Titration
Water Content	Maximum 1.0%	0.28%	Karl Fischer
Flash Point	Minimum 60 °C	72 °C	Closed cup
Solubility in Ethanol	Soluble or dispersible; slight opalescence permitted	Pass	Visual
Solubility in Water	Insoluble	Complies	Visual
Foreign Matter	Absent	Pass	Visual
Residual Extraction Solvent	Within applicable specification	Pass	Headspace GC
Purity	Natural Rose de Mai Absolute	Complies	GC-MS and declaration

Organoleptic Evaluation

Attribute	Evaluation
Opening	Fresh rose petals with green and slightly dewy facets
Heart	Rich, sweet, honeyed and deeply floral
Undertones	Waxy, spicy, tea-like and softly herbaceous
Dry-Down	Warm, persistent, floral and mildly balsamic
Diffusion	Moderate to strong
Tenacity	Excellent
Overall Quality	Premium professional perfumery grade

Representative GC-MS Profile

Natural Constituent	CAS No.	Representative Range (%)	Representative Result (%)
Phenethyl Alcohol	60-12-8	20.00–50.00	34.50
Citronellol	106-22-9	5.00–25.00	14.80
Geraniol	106-24-1	3.00–18.00	9.60
Nerol	106-25-2	1.00–10.00	4.50
Nonadecane	629-92-5	2.00–15.00	7.20
Heneicosane	629-94-7	1.00–10.00	4.30
Farnesol	4602-84-0	Trace–4.00	1.70
Eugenol	97-53-0	Trace–3.00	1.10
Linalool	78-70-6	Trace–3.00	0.80
Benzyl Alcohol	100-51-6	Trace–3.00	0.70
Geranyl Acetate	105-87-3	Trace–2.00	0.60
Methyl Eugenol	93-15-2	Maximum 1.00	0.18
Benzyl Benzoate	120-51-4	Trace–1.00	0.12



Isoeugenol	97-54-1	Trace-0.50	0.04
Natural Waxes and Non-Volatile Fraction	Various	5.00-25.00	13.20
Other Natural Constituents	Various	Balance	6.66

The above chromatographic profile is representative and is not a batch-specific laboratory report.

Representative Fragrance-Allergen Profile

Fragrance Allergen	Representative Result (%)	Status
Citronellol	14.80	Present
Geraniol	9.60	Present
Farnesol	1.70	Present
Eugenol	1.10	Present
Linalool	0.80	Present
Benzyl Alcohol	0.70	Present
Geranyl Acetate	0.60	Present
Benzyl Benzoate	0.12	Present
Limonene	0.08	May be present
Citral	0.06	May be present
Isoeugenol	0.04	May be present
Benzyl Salicylate	0.02	May be present

Microbiological Quality

Test	Specification	Representative Result
Total Aerobic Microbial Count	≤1,000 CFU/g	<10 CFU/g
Yeast and Mould	≤100 CFU/g	<10 CFU/g
Escherichia coli	Absent in 1 g	Not detected
Salmonella spp.	Absent in 25 g	Not detected
Staphylococcus aureus	Absent in 1 g	Not detected
Pseudomonas aeruginosa	Absent in 1 g	Not detected

Storage Conditions

Store:

- In the original tightly sealed container
- At 5-20 °C
- Away from direct sunlight and ultraviolet light
- Away from excessive heat
- Away from strong oxidising agents
- With minimum container headspace where possible



- Using clean and dry dispensing equipment

The material may thicken, become cloudy or partially solidify at low temperatures. Allow the sealed container to return gradually to room temperature and homogenise gently before use.

Shelf Life

24 months from the manufacturing date when stored unopened under recommended conditions.

Quality Conclusion

Based on the representative values stated in this certificate, the material conforms to the established quality specifications for:

Rose de Mai Absolute

The material is suitable for professional perfumery and cosmetic fragrance applications, subject to batch verification, formulation safety assessment and applicable regulatory restrictions.

Disclaimer

This Certificate of Analysis is a professional representative template. The reported results are not evidence that a specific production batch has been physically tested by Aromology Trading LLC.

Before formal issue, all analytical results must be replaced or verified against:

- The original producer's Certificate of Analysis
- Batch-specific GC-MS analysis
- Physical and chemical test results
- Residual-solvent analysis
- Quantitative allergen data
- Heavy-metal and microbiological reports, where applicable
- Pesticide-residue documentation

Natural botanical absolutes may vary because of cultivar, origin, climate, harvest, extraction solvent, processing conditions, wax content and storage history.

Authorised by

Fozia Khot

Director

Aromology Trading LLC