



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Parameter	Specification
Product Name	Rose Centifolia Absolute
Botanical Name	<i>Rosa centifolia</i> L.
Common Name	May Rose Absolute
INCI Name	<i>Rosa Centifolia Flower Extract</i>
CAS No.	84604-12-6
EC No.	283-289-8
FEMA No.	2988
Botanical Family	Rosaceae
Plant Part Used	Fresh Flowers
Country of Origin	India
Extraction Method	Solvent Extraction
Product Type	Natural Botanical Absolute

The substance is listed by ECHA as Rose, *Rosa centifolia*, extract (CAS 84604-12-6 / EC 283-289-8).

Analytical Specifications

Test	Specification	Result	Method
Appearance	Viscous liquid	Complies	Visual
Colour	Orange to dark reddish-orange	Orange-Red	Visual
Odour	Rich, sweet, rosy, honeyed, floral, green and balsamic	Characteristic	Organoleptic
Specific Gravity @ 20°C	0.950 – 1.100	0.9684	Density Meter
Refractive Index @ 20°C	1.4950 – 1.5200	1.5018	Refractometer
Optical Rotation @ 20°C	-5.0° to +10.0°	+1.8°	Polarimeter
Acid Value	≤15.0 mg KOH/g	8.6 mg KOH/g	ISO Method



Flash Point	>95 °C	100 °C	Closed Cup
Solubility (95% Ethanol)	Clear solution (1:3)	Pass	Visual
Purity	100% Natural Absolute	Pass	Manufacturer Specification

The density and refractive index specifications are consistent with published commercial COAs for Rose Centifolia (Rose Maroc) Absolute.

Representative GC Profile

Principal Natural Constituents	Typical Range (%)
Phenethyl Alcohol	25.00 – 45.00
Citronellol	4.00 – 12.00
Geraniol	2.00 – 8.00
Nerol	1.00 – 5.00
Eugenol	0.30 – 2.00
Methyl Eugenol	0.02 – 0.30
Farnesol	0.10 – 1.00
Benzyl Alcohol	0.10 – 0.80
Linalool	0.05 – 0.80
Geranyl Acetate	Trace – 0.50

Natural products exhibit seasonal and geographical variation. The constituent profile shown is representative and not a guaranteed specification.

Microbiological Status

Parameter	Result
Total Plate Count	Complies
Yeast & Mold	Complies
Pathogenic Organisms	Not Detected

Heavy Metals

Parameter	Result
Lead (Pb)	Complies
Cadmium (Cd)	Complies
Mercury (Hg)	Complies



Arsenic (As)

Complies

Organoleptic Evaluation

Rose Centifolia Absolute – India possesses a rich, luxurious floral aroma characterised by deep honeyed rose notes with green, waxy, slightly spicy and balsamic undertones. The material exhibits exceptional richness, elegance and substantivity, making it highly valued in fine fragrance, floral accords and luxury perfumery.

Applications

Suitable for use in:

- Fine Fragrance
 - Extrait de Parfum
 - Eau de Parfum
 - Natural Perfumery
 - Attars
 - Luxury Cosmetics
 - Skin Care
 - Soap
 - Candles
 - Incense
 - Home Fragrance
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Storage

Store in tightly closed amber containers under cool, dry conditions away from direct sunlight, excessive heat and sources of ignition.

Recommended storage temperature:
15–25 °C

Shelf Life

24 Months when stored under recommended conditions in unopened original packaging.

Quality Statement



This product is manufactured from carefully selected *Rosa centifolia* flowers cultivated in India and processed by solvent extraction to produce a premium-grade natural absolute suitable for professional perfumery and cosmetic applications.

Certificate

This batch has been examined according to established quality control procedures and complies with the above specifications.

Disclaimer

The analytical values presented in this Certificate of Analysis are representative of the tested batch and are provided for quality control purposes. As Rose Centifolia Absolute is a natural botanical extract, minor variations in colour, odour, density, refractive index and constituent profile may occur due to climatic conditions, harvest season, geographical origin and extraction parameters without affecting the overall quality or intended performance of the material.

Authorised by

Fozia Khot
Director
Aromology Trading LLC