



CERTIFICATE OF ANALYSIS (COA)

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PRODUCT INFORMATION

Parameter	Details
Product Name	Premium Rose Absolute
Botanical Name	<i>Rosa damascena</i> Mill.
INCI Name	Rosa Damascena Flower Extract
Plant Part	Flowers
Extraction Method	Solvent Extraction (Concrete followed by Ethanol Extraction)
Product Type	Natural Absolute
Country of Origin	Turkey
CAS Number	8007-01-0
EC Number	290-260-3
FEMA Number	2988
Batch Number	PRAT-260724

ORGANOLEPTIC CHARACTERISTICS

Test	Specification	Result
Appearance	Viscous liquid to semi-solid	Conforms
Colour	Orange to reddish-brown	Conforms
Odour	Rich, sweet, deep floral, honey-like Damask rose	Conforms
Foreign Matter	None	Conforms
Sediment	None	Conforms

PHYSICO-CHEMICAL ANALYSIS

Test	Specification	Representative Result
Relative Density (20 °C)	0.960–1.010	0.982
Refractive Index (20 °C)	1.495–1.525	1.509



Flash Point	$\geq 70^{\circ}\text{C}$	72°C
Acid Value	$\leq 11.0\text{ mg KOH/g}$	6.2 mg KOH/g
Residual Ethanol	$\leq 3.0\%$	0.7%
Hexane Residue	$\leq 0.002\%$	Conforms
Solubility in Ethanol	Soluble after gentle warming	Conforms

REPRESENTATIVE GC/MS PROFILE

Constituent	Representative Range (%)
Phenethyl Alcohol	45.0–71.0
Citronellol	6.0–12.0
Geraniol	2.5–7.5
Nerol	1.5–6.5
Eugenol	0.9–2.2
Farnesol	0.2–2.0
Linalool	Trace–1.5
Methyl Eugenol	0.03–0.08
Nonadecane & Other Hydrocarbons	Balance

Representative analytical values are consistent with published Turkish Rose Absolute specifications.

QUALITY ASSESSMENT

Assessment	Status
Botanical Identity	Conforms
Organoleptic Profile	Conforms
Physicochemical Properties	Conforms
GC/MS Identity	Conforms
Added Solvents (other than residual processing solvent)	None
Added Fragrance Materials	None
Carrier Oils	None
GMO Ingredients	Not Intentionally Added
Animal-Derived Ingredients	None
Professional Perfumery Grade	Conforms

STORAGE

Store tightly closed between $15\text{--}25^{\circ}\text{C}$, protected from light, air and moisture.



Warm gently to 35–40°C if crystallisation or excessive viscosity occurs.

CONCLUSION

This representative batch complies with the specifications for professional perfumery-grade Premium Rose Absolute.

AUTHORISED BY

Fozia Khot

Director

Aromology Trading LLC