



CERTIFICATE OF ANALYSIS (COA)

Supplier: Aromology

Product Name: Dimethyl Benzyl Carbinyl Acetate
Chemical Name: α,α -Dimethylphenethyl Acetate
Synonyms: DMBCA; 2-Methyl-1-phenylpropan-2-yl Acetate
INCI Name: Dimethyl Benzyl Carbinyl Acetate
CAS Number: 151-05-3
EC Number: 205-781-3
FEMA Number: 2393
Product Type: Aroma Chemical

1. Product Information

Parameter	Details
Product Name	Dimethyl Benzyl Carbinyl Acetate
Chemical Name	α,α -Dimethylphenethyl Acetate
Synonyms	DMBCA; 2-Methyl-1-phenylpropan-2-yl Acetate
INCI Name	Dimethyl Benzyl Carbinyl Acetate
CAS Number	151-05-3
EC Number	205-781-3
FEMA Number	2393
Product Type	Aroma Chemical
Chemical Formula	$C_{12}H_{16}O_2$
Molecular Weight	192.25 g/mol
Intended Use	Perfumery, Cosmetics, Aromatics
Supplier	Aromology

2. Physical & Organoleptic Specifications

Test	Specification	Result
Appearance	Clear liquid	Conforms
Colour	Colourless to pale yellow	Conforms
Odour	Floral, rose, jasmine, herbal, fruity characteristic	Conforms
Solubility	Insoluble in water; soluble in ethanol and most organic solvents	Conforms

3. Typical Analytical Characteristics



Parameter	Typical Range	Result
Purity (GC)	≥98.0%	Conforms
Specific Gravity @20 °C	0.980–0.995	Conforms
Refractive Index @20 °C	1.490–1.500	Conforms
Flash Point	>100 °C	Conforms
Acid Value	≤1.0 mg KOH/g	Conforms

4. Major Constituent

Constituent	Typical Content (%)
Dimethyl Benzyl Carbinyl Acetate	≥98.0

5. Quality Assessment

Quality Parameter	Result
Chemical Identity Verified	PASS
Organoleptic Evaluation	PASS
Appearance	PASS
Purity (GC)	PASS
Suitable for Perfumery Use	PASS

6. Storage Conditions

Parameter	Recommendation
Storage Temperature	Store below 25 °C
Light Exposure	Protect from direct sunlight
Container	Keep tightly sealed in the original container
Shelf Life	24 Months under recommended storage conditions

7. Statement of Conformity

Aromology certifies that this batch of Dimethyl Benzyl Carbinyl Acetate conforms to internal quality specifications and has been evaluated for chemical identity, appearance, organoleptic characteristics, and analytical quality.

This material is suitable for professional use in fine fragrance, cosmetics, personal care products, soaps, candles, home fragrance, air care products, and other aromatic applications.



8. Authorisation

Approved By Department
Fozia Khot Director

Aromology Trading LLC
Dubai, United Arab Emirates

9. Supplier Details

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Document Information

Parameter	Details
Document	Certificate of Analysis (COA)
Status	APPROVED
Batch Number	DBC26062901
Date of Manufacture	31 March 2026
Date of Expiry	30 March 2028
Issue Date	29 June 2026
Version	2.0

Authorized By

Fozia Khot
Director
Aromology Trading LLC



AROMOLGY