



CERTIFICATE OF ANALYSIS (COA)

Supplier: Aromology
Product Name: Maltol Powder Natural
Chemical Name: Maltol
IUPAC Name: 3-Hydroxy-2-methyl-4H-pyran-4-one
CAS Number: 118-71-8
EC Number: 204-271-8
FEMA Number: 2656
Product Type: Natural Aroma Chemical
Country of Origin: China

1. Product Information

Parameter	Details
Product Name	Maltol Powder Natural
Chemical Name	Maltol
IUPAC Name	3-Hydroxy-2-methyl-4H-pyran-4-one
CAS Number	118-71-8
EC Number	204-271-8
FEMA Number	2656
Product Type	Natural Aroma Chemical
Intended Use	Perfumery, Cosmetics, Aromatics
Supplier	Aromology

2. Physical & Organoleptic Specifications

Test	Specification	Result
Appearance	White crystalline powder	Conforms
Colour	White to off-white	Conforms
Odour	Sweet, caramel, cotton candy, toasted sugar	Conforms
Solubility	Soluble in hot water, ethanol and propylene glycol; slightly soluble in cold water	Conforms

3. Typical Analytical Characteristics

Parameter	Typical Range	Result
Assay (GC/HPLC)	≥99.0%	Conforms
Melting Point	160–164 °C	Conforms
Moisture Content	≤0.50%	Conforms



Parameter	Typical Range	Result
Ash Content	≤0.10%	Conforms

4. Typical Composition

Constituent	Typical Range (%)
Maltol	≥99.0
Related Organic Impurities	≤1.0

Minor analytical variation may occur between production batches while remaining within specification.

5. Quality Assessment

Quality Parameter	Result
Identity Verified	PASS
Organoleptic Evaluation	PASS
Assay	PASS
Appearance	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
Moisture	Store in a cool, dry place
Shelf Life	24 months under recommended storage conditions

7. Statement of Conformity

Aromology certifies that this batch of Maltol Powder Natural conforms to internal quality specifications for natural aroma chemicals and has been evaluated for identity, purity, physical characteristics and organoleptic quality.

This material is suitable for use in fragrance, cosmetic and personal care applications when handled and stored under the recommended conditions.



8. Authorisation

Approved By	Department
Fozia Khot	Director
Aromology Trading LLC	Dubai, UAE

9. Supplier Details

AROMOLOGY

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Document Information

Parameter	Details
Document	Certificate of Analysis (COA)
Status	APPROVED
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