CERTIFICATE OF ANALYSIS (COA)

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Methyl Octalactone

PRODUCT IDENTIFICATION

Product Name: Methyl Octalactone
Chemical / IUPAC Name: 5-Butyldihydro-4-methylfuran-2(3H)-one
INCI Name: 3-METHYL-GAMMA-OCTALACTONE
CAS Number: 39212-23-2
EC Number: 254-357-4
Molecular Formula: C_9 H_{16} O_2
FEMA Number: 3803
JECFA Number: 437

Intended Applications: Fragrances, cosmetics and flavours.

Use Classification: Industrial use only.

BATCH INFORMATION

AROMOLOGY Batch Reference: ARO-MOCT-261029-0736
Reference Status: Internally generated reference; not a verified manufacturing batch
Manufacturing Date: 05 November 2025
Expiry Date: 05 November 2028
Original Technical Specification Date: 03 November 2025
Certificate Preparation Date: 29 October 2026
Shelf Life: 24 months under recommended storage conditions

PHYSICAL AND CHEMICAL ANALYSIS

Test Parameter	Supplier Specification	Batch Result
Physical Appearance	Liquid	Not provided
Colour	Colourless to pale yellow	Not provided
Odour	Woody, coconut, coumarin, wine, creamy	Not provided

Density at 20°C	0.957–0.965	Not provided
Refractive Index at 20°C	1.441–1.447	Not provided
Flash Point (Closed Cup)	101°C	Not provided
Purity	96–100%	Not provided

COMPOSITION AND PURITY

Parameter	Supplier Declaration
Chemical Composition	3-Methyl-Gamma-Octalactone
Purity Specification	96–100%
ISO 9235	100% non-natural ingredients
ISO 16128	0% natural origin
Antioxidants	None reported
Nanomaterials	Does not contain
Genetically Modified Organisms (GMO)	Does not contain or derive from GMOs
Palm Oil and Derivatives	Does not contain
Animal-Derived Ingredients	Does not contain

REGULATORY AND QUALITY INFORMATION

Regulatory Parameter	Supplier Declaration
Halal Status	Complies with halal requirements
Kosher Status	Certificate available upon request
Vegan Status	No animal-derived ingredients
BSE / TSE Risk	Free from BSE/TSE risks
Animal Testing	In accordance with Article 18 of Regulation (EC) No. 1223/2009
Food Grade	Supplier declares compliance with Regulation (EC) No. 1334/2008
Food Allergen Declaration	Available upon request
TSCA – USA	Listed
EINECS – European Union	254-357-4
PICCS – Philippines	Listed
IECSC – China	Listed
TCSI – Taiwan	Listed
DSL – Canada	Listed
NZIoC – New Zealand	Listed
Australian Inventory	Listed
KECI – Korea	Not listed
ENCS – Japan	Not listed

NDSL / LES – Canada	Not listed
FLAVIS	Not listed
COE	Not listed

These declarations are taken from the original manufacturer's Technical Data Sheet.

STORAGE AND STABILITY

Storage Conditions: Store in a cool, dry place, protected from light.
Handling Precautions: Avoid direct contact with the product.
Shelf Life: 24 months, subject to recommended storage conditions.
Transport: Refer to the manufacturer's Safety Data Sheet for applicable transport classifications.

QUALITY ASSESSMENT

Supplier Technical Specifications: Available
Declared Purity Specification: 96–100%
Batch-Specific Analytical Results: Not supplied
Batch-Specific Conformity: Not determined

The supplier's document provides technical specifications for Methyl Octalactone but does not include actual analytical results for a particular manufacturing batch.

DISCLAIMER

The information contained in this document is based on the original supplier's technical documentation.

AROMOLOGY has not independently performed or verified the analytical testing described by the manufacturer's specifications.

The manufacturer of the finished product is responsible for determining suitability and regulatory compliance for the intended application.

Authorised by:
Fozia Khot
Director