CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

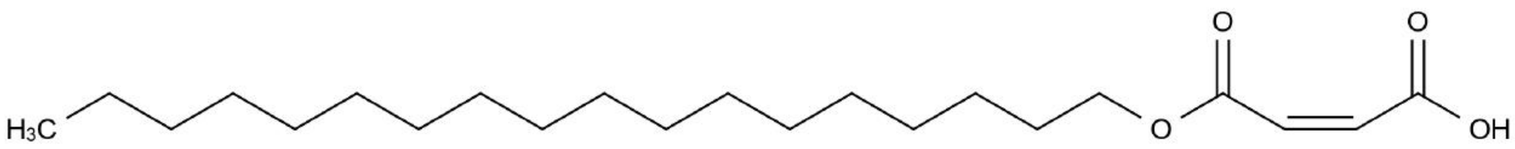
No.: 202601210238

Certificate of Analysis

Reference Material & Standard

Product Name:	Monostearyl Maleate	**Catalogue Number:**	CCFD201057
Synonyms:	N/A	**Lot Number:**	0122-RH-0050
CAS Number:	2424-62-6	**Expiry Date:**	Jan 26, 2030
Molecular Formula:	$C_{22}H_{40}O_4$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	368.55	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	GC	95.175%
Loss On Drying	TGA	0.0566%
Assay		95.1%
Uncertainty		±0.9%

CATO Research Chemicals Inc.

Comment:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss On Drying) * Purity GC (%) /100%*
Loss On Drying is considered as absolute effect, GC purity is considered as relative effect.
2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by: Alice Date: Jan 27, 2026

Reviewed by: Lisa Date: Jan 27, 2026

Approved by General Manager: David Date: Jan 27, 2026

CATO Research Chemicals Inc.

Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China
Tel: +86-20-81960175 Email: supports@cato-chem.com Web: Https://www.cato-chem.com

ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

Official WeChat