

Certificate of Analysis

Reference Material & Standard

Product Name:	Malonamide	Catalogue Number:	CCHM700698
Synonyms:	N/A	Lot Number:	1130-RB-0005
CAS Number:	108-13-4	Expiry Date:	Dec 08, 2024
Molecular Formula:	C ₃ H ₆ N ₂ O ₂	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	102.09		

Warning:



Chemical Structure: N/A

Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	GCMS&HNMR	Confirmed
Purity	ELSD	99.8731%
Water Content	Karl Fischer	0.1550%
Assay		99.7%
Uncertainty		±2.0%

Comment:

CATO Research Chemicals Inc.

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity ELSD (\%)} / 100\%$

Water Content is considered as absolute effect, ELSD 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:

Lisa

Reviewed by:

Xenia

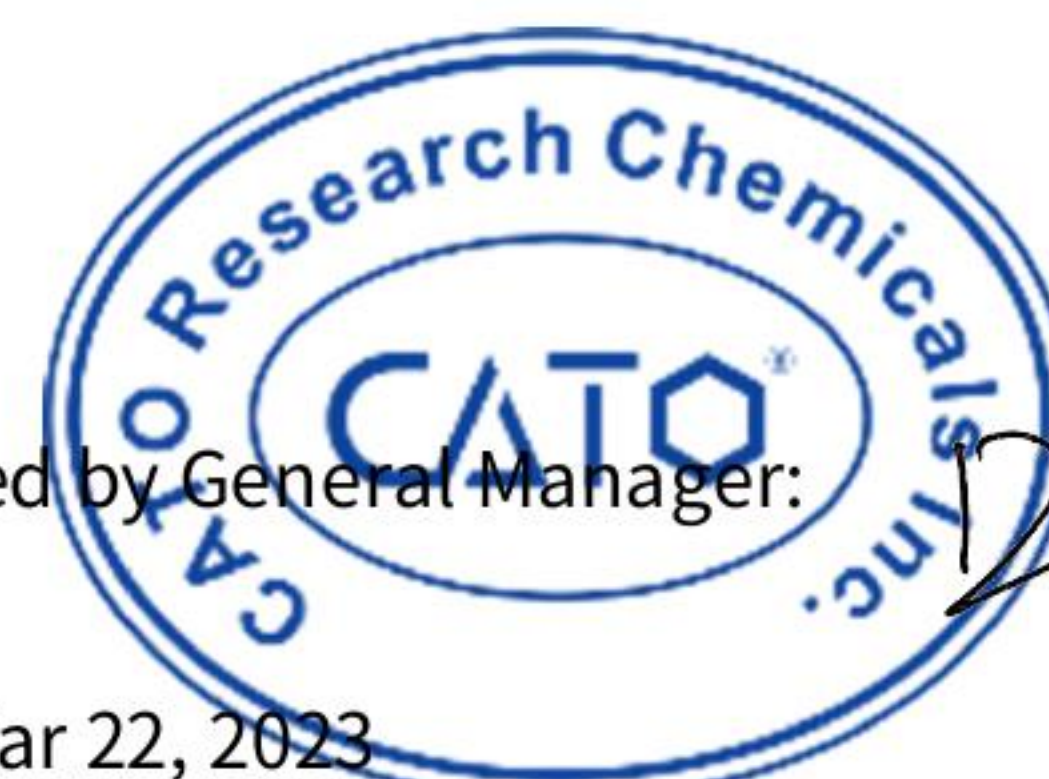
Approved by General Manager:

David

Date: Mar 22, 2023

Date: Mar 22, 2023

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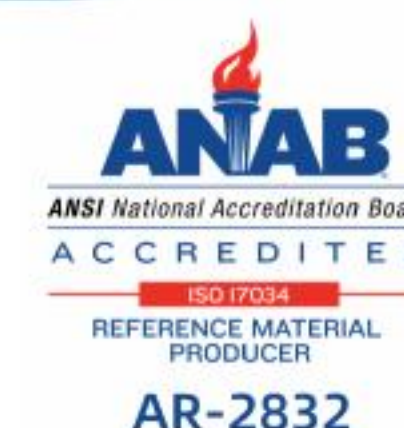
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