CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

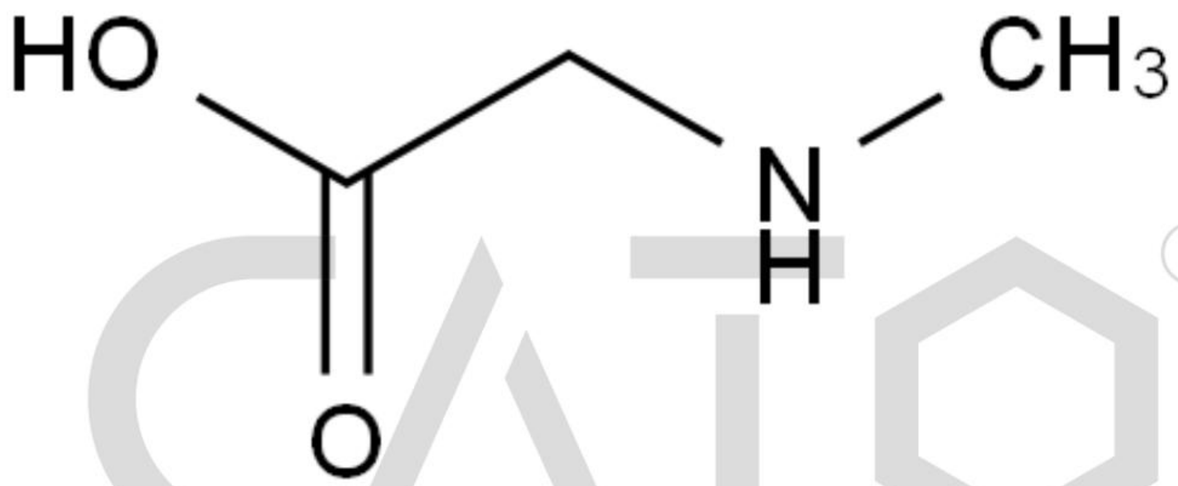
No.: 202505140018

Certificate of Analysis

Reference Material & Standard

Product Name:	Sarcosine	**Catalogue Number:**	CCFD200624
Synonyms:	N/A	**Lot Number:**	137-12-13
CAS Number:	107-97-1	**Expiry Date:**	May 20, 2029
Molecular Formula:	C3H7NO2	**Storage:**	Room Temp Protected from light and Sealed
Molecular Weight:	89.09	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Crystalline Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	ELSD	100.000%
Water Content	Karl Fischer	2.0828%
Assay		97.9%
Uncertainty		±0.3%

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Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Water Content) * 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:

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Approved by General Manager: David Date: May 21, 2025

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