



CERTIFICATE OF ANALYSIS

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1. Identification

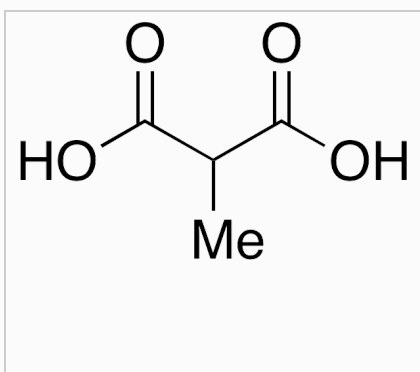
Catalogue Number: M318860

CAS Number: 516-05-2

Product: Methylmalonic Acid

Synonym: 2-Methylpropanedioic Acid;
Methylpropanedioic Acid; 1,1-Ethanedicarboxylic Acid; Isosuccinic Acid;
NSC 25201;

Structure:



Molecular Formula:

C₄H₆O₄

Molecular weight:

118.09

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly)

Lot Number: 711623503-2-2

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 40.17, %H: 5.23
HPLC Purity	Report Result	96.82% (ELSD)
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Appearance	White to Pale Yellow Solid	White to Off-White Solid
C NMR	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Swathi Reddy	Toni Rantanen	Christina Gouliaras	7/19/2022	7/17/2026