



CERTIFICATE OF ANALYSIS

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1. Identification

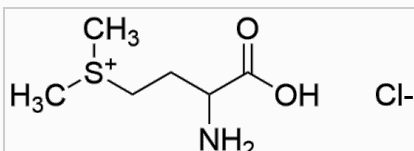
Catalogue Number: D689958

CAS Number: 3493-12-7

Product: DL-Methionine Methylsulfonium Chloride

Synonym: dl-Methionine
Methylsulphonium Chloride;

Structure:



Molecular Formula:

C₆H₁₄ClNO₂S

Molecular weight:

199.69

Source of Product:

N/A

Solubility:

Aqueous Base (Slightly),
Methanol (Slightly), Water
(Sparingly)

Lot Number: 21-ZEA-12-1

Purity: 98%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 35.41, %H: 6.92, %N: 6.92
NMR	Conforms to Structure	Conforms
Chloride Content	Report Result	17.5%
Appearance	White to Off-White Solid	White Solid
Specific Rotation	Report Result	0.0° (c = 0.3, Water)
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 ± 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
Henry Tieu	Toni Rantanen	Chanell Chu	6/23/2021	6/21/2025