

Certificate of Analysis

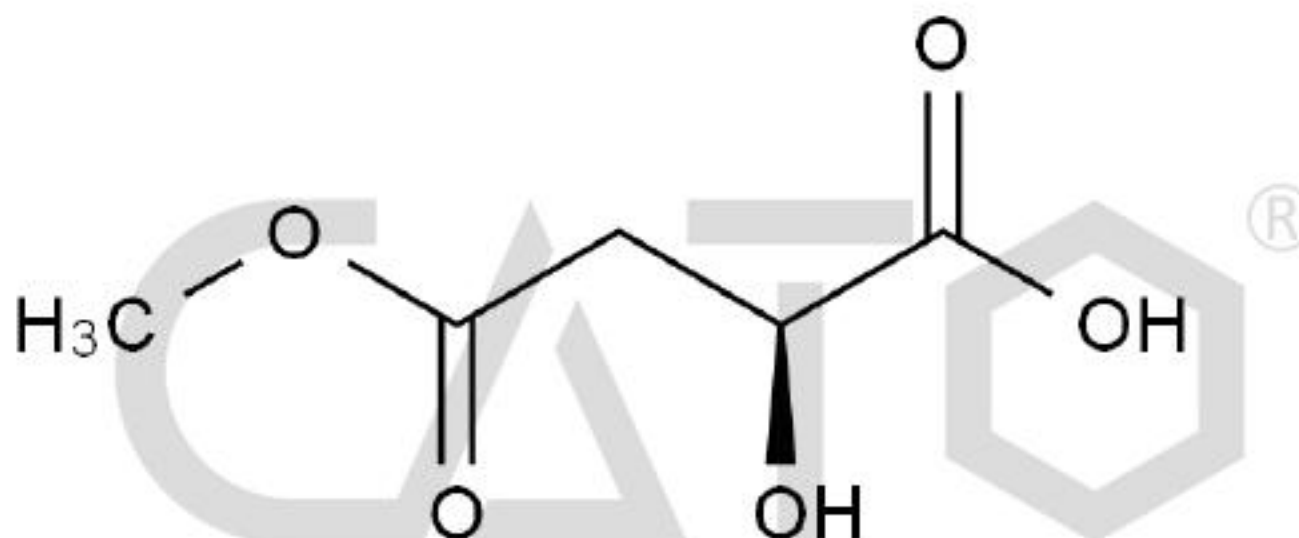
Reference Material & Standard

Product Name:	Malic Acid Impurity 3	Catalogue Number:	C4X-25093
Synonyms:	2-Hydroxy-4-methoxy-4-oxobutanoic acid	Lot Number:	0313-SA-7695
CAS Number:	66178-02-7	Expiry Date:	Mar 12, 29
Molecular Formula:	C ₅ H ₈ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	148.11		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Solid
Identification:	LC&HNMR	Confirmed
Purity:	HPLC	97.115%

Signature:

Prepared by:

Lisa

Reviewed by:

Yuki

Approved by General Manager:

David

Date: Mar 13, 25

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Date: Mar 13, 25



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Directions:

1. *Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
2. *Minimum sample size: 1mg is recommended as the minimum sample size.*
3. *Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
4. *Instructions for handling and correct use: Handling in a well-ventilated place.*

Document Version:

Revision No.	Date	Reason for Revision
01	Mar 13, 25	First release.

