

Certificate of Analysis

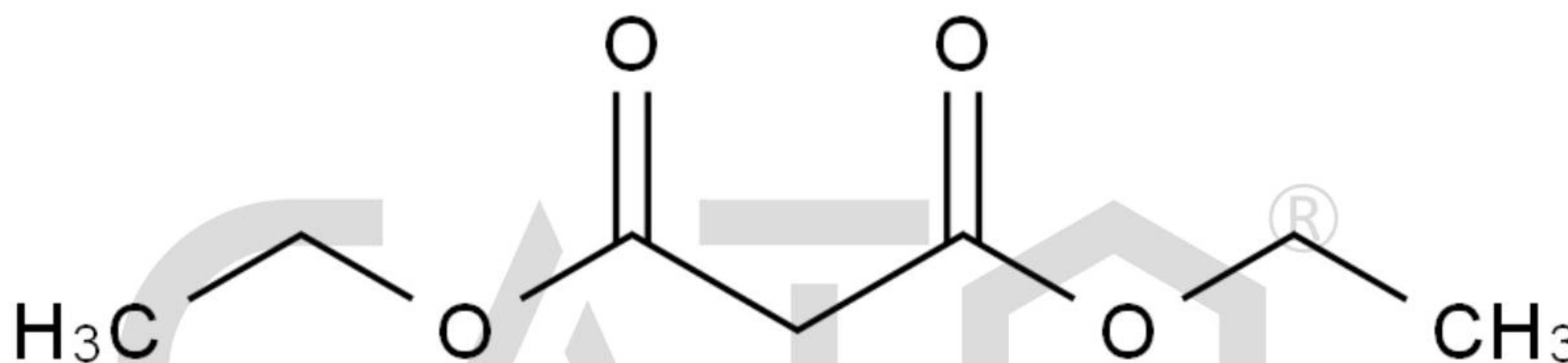
Reference Material & Standard

Product Name:	Diethyl Malonate	Catalogue Number:	CCFD200596
Synonyms:	N/A	Lot Number:	1223-RG-0150
CAS Number:	105-53-3	Expiry Date:	Dec 22, 2029
Molecular Formula:	C ₇ H ₁₂ O ₄	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	160.17	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	GC	98.5%
Assay	qNMR	98.2%
Uncertainty		±0.5%

Comment:

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:

Hin Lam

Approved by General Manager:

David

Date: Dec 23, 2025

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