

CERTIFICATE OF ANALYSIS

Product Name:	Diethyl aminomalonate hydrochloride	Mfg. Date:	May, 22, 2020
CAS No.:	13433-00-6	Expiry Date:	May, 21, 2022
Chemical Formula:	C ₇ H ₁₄ ClNO ₄	Quantity	330kg
Molecular Weight:	211.64	Batch No:	DNABY200501

Analysis Items	Specifications	Results	Methods
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Identifications

Identification (IR)	The IR absorption map should be consistent with the reference.		
Identification (GC)	The retention time of the major peak in the chromatogram of sample preparation should correspond to that in the chromatogram of standard preparation.		

Purity Tests

Diethyl aminomalonate hydrochloride	≥99.0%	99.2%	GC
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Physical Tests

Appearance	White crystal powder	Complies	Visual
Odor	Characteristic	Complies	Organoleptic
Taste	Characteristic	Complies	Organoleptic
Melting Point	155~160°C	158.6°C	Ch.P. 2015 IV 0612
Loss on drying	≤0.5%	0.21%	Ch.P. 2015 IV 0831
Ash contents	≤0.1%	0.03%	Ch.P. 2015 IV 2302

* **Conclusion:** Conform to above specification

* **Packaging:** 25kg per fiber drum

* **Storage:** Protected from light and humidity in a clean place prefer temperature below 30°C.

* **Precautions:** After openi please use it immediately, if not please keep it sealed.

* **Shelf Life:** 2 years when properly stored.

Analyzed by: Li Meng

Approved by: Yang Hongmeing

