

CERTIFICATE OF ANALYSIS

Name of Product: L-Valine ethyl ester hydrochloride	
Batch No.: 20170918	CAS:17609-47-1
Quantity: 500kg	Manufacture date: 2017.09.18
Test date: 2017.09.18	Retest date: 2019.09.17

Test Items	Quality Standard	Test Result
Appearance	White to off-white microcrystalline powder	Conforms
Assay	≥99.0%	99.2%
loss on drying	≤0.5%	0.3%
Other amino acids	≤0.3%	0.2%
L-Ile	≤0.03%	0.02
300MHz 1H	Consistent	Consistent
Specific Rotation(20/D)	+6.7±0.5 Degree (C=2 in H ₂ O)	+6.7 Degree (C=2 in H ₂ O)
TLC Analysis	One spot	Eligibility
Melting point	102-105°C	102-104°C
Storage conditions	Cool and dry, no more than 26°C	

Conclusion: This product conforms to the Enterprise Standard.

Analyst:

王莹

Checker:

朱明

Supervisor:

王莹