

CERTIFICATE OF ANALYSIS

Name of Product: L-alanine	
Batch No.: 20171116	CAS:56-41-7
Quantity: 2500kg	Manufacture date: 2017.11.16
Test date: 2017.11.16	Retest date: 2019.11.15

Test Items	Quality Standard	Test Result
Appearance	White crystalline	Conforms
Purity	98.5%~101.0%	99.6%
Chloride	$\leq 0.02\%$	Conforms
Loss on drying	$\leq 0.2\%$	0.3%
Residue on ignition	$\leq 1.0\%$	0.04%
Specific rotation	+14.3-+15.2°	+14.95°
Heavy metal	$\leq 15\text{ppm}$	Conforms
iron	$\leq 0.001\%$	Conforms
PH	5.5~7.0	6.2
Transmittance	$\geq 98.0\%$	98.5%
Arsenic	$\leq 0.0001\%$	Conforms
Ammonium salt	$\leq 0.02\%$	Conforms
Other amino acids	Chromatographically	Qualified
Storage conditions	Cool and dry, no more than 26°C	



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Conclusion: This product conforms to the Enterprise Standard.

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