

CERTIFICATE OF ANALYSIS

Product Name:	L-Ornithine L-Aspartate	Report Date:	Mar 18, 2017
Formula:	C ₉ H ₁₉ N ₃ O ₆	Batch No.:	170315
CAS No.:	3230-94-2	Manu. Date:	Mar 15, 2017
Inspection Standard:	AJI92	Exp. Date:	Mar 14, 2019

RESULTS OF ANALYSIS

Test Items	Specifications	Results	Test Methods
Appearance	White crystals or crystalline powder	Conforms	Visual
Specific rotation $[\alpha]_D^{20}$	+27.0 to +30.0°	+27.7°	AJI Test 1
State of solution	Clear and colorless not less than 98.0%	99.3%	AJI Test 2
Chloride(Cl)	Not more than 0.03%	<0.03%	AJI Test 3
Ammonium (NH ₄)	Not more than 0.02%	<0.02%	AJI Test 4 [B-1]
Sulfate (SO ₄)	Not more than 0.020%	<0.020%	AJI Test 5
Iron(Fe)	Not more than 30ppm	<10ppm	AJI Test 6
Heavy metals(Pb)	Not more than 10ppm	<10ppm	AJI Test 7
Arsenic(as As ₂ O ₃)	Not more than 1ppm	<1ppm	AJI Test 8
Lead	Not more than 3ppm	<3ppm	AFS
Other amino acids	Chromatographically not detectable	Conforms	AJI Test 9
Loss on Drying	Not more than 7.0%	6.5%	AJI Test 11
Residue on ignition(sulfated)	Not more than 0.20%	0.08%	AJI Test 13
Assay	98.0 to 101.0 %	98.7%	AJI Test 14
pH	5.0 to 6.5	5.7	AJI Test 33
Conclusion:	Conforms to the specifications of AJI92		

Analyst: **侯健之**Auditor: **辽薛兰**Chief of QC: **于铁梅**