

CERTIFICATE OF ANALYSIS

Product Name:	L-Citrulline	Report Date:	Jul 13, 2017
Formula:	C ₆ H ₁₃ N ₃ O ₃	Batch No.:	170710
CAS No.:	372-75-8	Manu. Date:	Jul 10, 2017
Inspection Standard:	AJI92	Exp. Date:	Jul 09, 2019

RESULTS OF ANALYSIS

Test Items	Specifications	Results	Test Methods
Appearance	White crystals or crystalline powder	Conforms	Visual
Identification	Chromogenic reaction	Conforms	/
Specific rotation $[\alpha]_D^{20}$	+24.5 to 26.8°	+25.5°	AJI Test 1
State of solution (Transmittance)	Not less than 98.0%	92.0%	AJI Test 2
Chloride(Cl)	Not more than 0.020%	<0.020%	AJI Test 3
Ammonium (NH ₄)	Not more than 0.02%	<0.02%	AJI Test4
Sulfate (SO ₄)	Not more than 0.020%	<0.020%	AJI Test 5
Iron(Fe)	Not more than 10ppm	<10ppm	AJI Test 6
Heavy metals(Pb)	Not more than 10ppm	<10ppm	AJI Test 7
Lead	Not more than 3ppm	<3ppm	AFS
Arsenic(AS ₂ O ₃)	Not more than 1ppm	<1ppm	AJI Test 8
Loss on Drying	Not more than 0.30%	0.18%	AJI Test 11
Residue on ignition(sulfated)	Not more than 0.10%	0.04%	AJI Test 13
Assay	98.5 to 101.0 %	99.5%	AJI Test 15
pH	5.0 to 7.0	5.8	AJI Test 33
Conclusion:	Conforms to the specifications of AJI92		

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