

CERTIFICATE OF ANALYSIS

Name of Product: L-CITRULLINE	
Batch No.: 20170125	CAS:372-75-8
Quantity: 1123kg	Manufacture date: 2017.01.25
Test date: 2017.01.25	Retest date: 2019.01.24

Test Items	Quality Standard	Test Result
Description	White crystals or crystalline powder	conforms
Identification (IR)	concordant with the reference spectrum	conforms
Assay	98.5~101%	99.4%
PH	5.0~7.0	6.1
Specific rotation $[\alpha]_{D20}$	+24.5°~+26.8°	+26.4°
State of solution (Transmittance T430)	≥98.0%	99.2%
Chloride(Cl)	≤0.02%	<0.02%
Ammonium(NH ₄)	≤0.02%	<0.02%
Sulfate(SO ₄)	≤0.020%	<0.02%
Iron(Fe)	≤10ppm	<10pm
Heavy metals(Pb)	≤10ppm	<10ppm
Arsenic(As)	≤1ppm	<1ppm
Loss on drying	≤0.30%	0.04%
Residue on ignition	≤0.10%	0.05%

Conclusion: This product conforms to the Enterprise Standard.

Analyst:

王莹

Checker:

朱明

Supervisor:

王莹