

CERTIFICATE OF ANALYSIS

Product Name	L-Ornithine Monohydrochloride		
CAS No.	3184-13-2		
Quality standard	AJI92		
Quantity	1000KGS		
Batch Number	20220516	Manufacture Date	20220516
Report Date	20220516	Expiry Date	20240515

Items	Specifications	Results	Test Method
Appearance	White crystals or crystalline	Conforms	Visual
Specific rotation [α]D20	+23.0°~+25.0°	+23.7°	AJI TEST 1
State of solution	≥98.0%	98.7%	AJI TEST 2
Ammonium (NH ₄)	≤0.02%	<0.02%	AJI TEST 4
Sulfate(SO ₄)	≤0.020%	<0.020%	AJI TEST 5
Iron(Fe)	≤10ppm	<10ppm	AJI TEST 6
Heavy metals(Pb)	≤10ppm	<10ppm	AJI TEST 7
Arsenic(As ₂ O ₃)	≤1ppm	<1ppm	AJI TEST 8
Other amino acids	Chromatographically not	Conforms	AJI TEST 9
Loss on drying	≤0.20%	0.10%	AJI TEST 11
Residue on ignition	≤0.10%	0.05%	AJI TEST 13
Assay	99.0~101.0%	99.4%	AJI TEST 14
pH	5.0~6.0	5.6	AJI TEST 33

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

