

CERTIFICATE OF ANALYSIS

Product Name	L- Arginine Hcl		
Reference standard	USP33		
Batch Number	20220629	Manufacture Date	20220629
Report Date	20220629	Expiry Date	20240628

Item of Analysis	Specification	Results
Appearance	White crystalline or crystalline powder	Conforms
Specific rotation	+21.4° ~+23.6°	+22.3°
Chloride	16. 58%~17.00%	16.75%
Ammonlum	Not more than 0.02%	<0.02%
Sulfate	Not more than 0.030%	<0.02%
Iron	Not more than 10ppm	<10ppm
Heavy metals	Not more than 10ppm	<10ppm
Arsenic	Not more than 1 ppm	<1ppm
Other amino acids	Conforms	Conforms
Loss on drying	Not more than 0.20%	0.12%
Residue on ignition	Not more than 0.10%	0.06%
Assay	99.0%~ 101 .0%	90.59

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.