

CERTIFICATE OF ANALYSIS

Product Name	L-Arginine Hcl(20-40mesh)	Batch No	PY-AH20201022
Quantity	1000KG	Analysis Date	Oct.25,2020
Mfg. Date	Oct.22,2020	Exp. Date	Oct.21,2022
Package	25kg/Drum	Standard	USP39

No.	Item	Specification	Result
1.	Appearance	White crystalline or crystalline powder	Complies
2.	Identification	Infrared Absorption	Complies
3.	Assay	98.5% ~ 101.5%	99.5%
4.	Specific Rotation	+21.4° ~ +23.6°	+22.5°
5.	Chloride	16.5%~17.1%	16.8%
6.	Sulfate	≤0.03%	<0.03%
7.	Heavy metals	≤20ppm	<20ppm
8.	Loss on Drying	≤0.2%	0.15%
9.	Residue on Ignition	≤0.1%	0.08%
10.	Chromatographic Purity	Individual impurity≤0.5% Total impurities≤2.0%	Complies Complies
11.	Conclusion	Conform with USP39 Standard.	

Analyst: xuli

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