

CERTIFICATE OF ANALYSIS

Product Name	L-Lysine Monohydrochloride	Batch No	PY-LM20201129
Quantity	200KG	Analysis Date	Dec.02,2020
Mfg. Date	Nov.29,2020	Exp. Date	Nov.28,2022
Package	25kg/Drum	Standard	USP39

No.	Item	Specification	Result
1.	Appearance	White crystals or crystalline powder or crystalline particles	Complies
2.	Identification	Infrared absorption	Complies
3.	Specific Rotation	+20.4° ~ +21.4°	+21.1°
4.	Assay	98.5~101.5%	99.4%
5.	Loss on Drying	≤0.4%	0.25%
6.	Residue on Ignition	≤0.1%	0.04%
7.	Heavy Metals	≤15ppm	<15ppm
8.	Chloride(C1)	19.0~19.6%	19.4%
9.	Sulfate(SO ₄)	≤0.03%	<0.03%
10.	Iron(Fe)	≤30ppm	<30ppm
11.	Related Compounds	Individual impurity≤0.5% Total impurities ≤2.0%	Complies Complies
12.	Conclusion	Conform to the USP39 Standard .	

Analyst: xuli

QC: lixiaochen