

HEBEI HUAYANG BIOLOGICAL TECHNOLOGY CO.,LTD

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CERTIFICATE OF ANALYSIS

Product Name: L-Lysine Hcl Monohydrate	Quantity: 1000kgs	Batch No: 2512270521
Packing: 25kgs/drum	Producing date: 2025.05.17	Expiry date: 2027.05.16
Reference standard: USP32		
Item	Specifications	Results
Apperance	White Crystalline Powder	Conforms
Identification	Infrared Absorption	Positive
Specific optical rotation	+20.4° ~ +21.4°	+20.7°
Assay ,%	98.5 ~ 101.5	99.4
Loss on drying,%	≤0.4	0.32
Heavy metals ,% (as Pb)	≤0.001	<0.001
Residue on ignition,%	≤0.1	0.04
Chloride ,% (as Cl)	19.0 ~ 19.6	19.32
Sulfate(SO ₄),% (as SO ₄)	≤0.03	<0.03
Iron(as Fe),%	≤0.003	<0.003
Organic volatile impurities	Meet the requirement	Meet the requirement
Chromatographic purity	Meet the requirement	Meet the requirement
Residual solvents	No residual solvents	No residual solvents
Conclusion: This product conforms to requirement of USP32 standard.		

Operator: Duan Lan

Checker: Jia Jingtang

