

HEBEI CHANGHAO BIOTECHNOLOGY CO., LTD

河北昌昊生物科技有限公司

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SPECIFICATION SHEET FOR L-LYSINE HCL

Item	Specifications	Standard
Appearance	White crystalline powder	USP
Solubility	Clear Solution	
Assay ,%	98.5 ~ 101.5	
Identification	Infrared Absorption	
Sulfate(SO ₄),% (as SO ₄)	≤0.03	
Loss on drying,%	≤0.4	
Residue on ignition ,%	≤0.1	
Iron(as Fe),%	≤0.003	
Heavy metals (as Pb),%	≤0.0015	
Chloride (as Cl) ,%	19.0-19.6	
Specific optical rotation	+20.4° — +21.4°	
Chromatographic purity,%	Individual impurity ≤0.5 Total impurities ≤2.0	
Lead,ppm	≤3	
Arsenic,ppm	≤1	
Cadmium,ppm	≤1	
Mercury,ppm	≤0.1	
Total Plate Count	≤1000cfu/g	
Yeast and Mold	≤100cfu/g	
E.Coli	Negative	
Salmonella	Negative	
Organic volatile impurities	Meet the requirements	
Related substance	Meets with the requirements	

Shelf Life	2 years
Storage Condition	Keep in Dry and Clean
Packing	25KG/bag/drum inner:PE bag out:kraft bag or paper drum