

HEBEI CHANGHAO BIOTECHNOLOGY CO., LTD

河北昌昊生物科技有限公司

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CERTIFICATE OF ANALYSIS

产品名称: L-色氨酸 Product Name:L-Tryptophan	数量: Quantity:200kg	批号: Batch No:20230402
生产日期: Producing date:2023.04.02	取样日期: Sampling date:2023.04.02	报告日期: Send out date: 2023.04.02
参照标准: Reference standard:USP32	包装: packing:25kg/drum	有效期: Expiry date:2025.04.01

Items	Specification	Result
外观 Appearance	白色至黄白色晶体或结晶性粉末 White to yellowish white crystals or crystalline powder	符合 Conforms
鉴定 Identification	红外吸收 Infrared Absorption	符合 Conforms
含量 Assay,%	98.5~101.5	99.4
旋光度 Specification Rotation	-29.4°~ -32.8°	-30.7°
PH 值 PH value	5.5~7.0	6.0
干燥失重 Loss on drying,%	≤0.3	0.10
炽灼残渣 Residue on ignition,%	≤0.1	0.07
氯化物 Chloride (Cl),%	≤0.05	<0.05
硫酸盐 Sulfate (SO4),%	≤0.03	<0.03
铁 Iron (Fe),%	≤0.003	<0.003
重金属 Heavy metals,ppm	≤15	<15

结论: 该产品符合 USP32 标准。

Conclusion: The goods conforms to USP32 Standard.

检验员: 丁春红

复核人: 朱琳琳

批准人: 王树丽

Inspector: DingChunhong

Checker: ZhuLinlin

Director: WangShuli

