

## Certificate of Analysis

品名 Product Name: L-O-磷酸丝氨酸 O-Phospho-L-serine

批号 Batch No.: C242504803

数量 Quantity: 1000kg

生产日期 Mfg. Date: \*\*\*\*\*

复验日期 Shelf life: 2 years

报告日期 Report Date: Apr. 14. 2025

包装 Packing Size: 25kg/Drum

项目 Item	标准 Specification	结果 Result
性状 Description	白色或类白色结晶性粉末 White or off-white crystalline powder	conforms
鉴别 Identification	The location and the color of the main spot in the test solution should be the same as that in the control solution	conforms
溶解度 Solubility (1% w/v)	Complete	Complete
pH 值 pH value (1% w/v)	1.5~2.5	2.0
透光率 Transparency (2% w/v 430 nm)	≥95.0%	99.4%
水分 Water by KF	≤1.0%	0.03%
比旋度 Specific Rotation	+14.0°~+16.0°	15.5°
无机磷 Inorganic Phosphorus	≤0.2%	<0.2%
硫酸盐 Sulphate	≤200ppm	<200ppm
氯化物 Chloride	≤200ppm	<200ppm
含量 Assay (NaOH, Potentiometric)	98.0~101.0%	99.8%
L-丝氨酸含量 L-Serine Content (TLC)	≤1%	<1%
其他单一杂质 Each Unknown Impurity (TLC)	≤0.1%	<0.1%
总杂 Total Impurities (TLC)	≤1%	<1%
残留溶剂 Residual Solvents		
甲醇 Methyl Alcohol	≤1000ppm	65ppm
结论 Conclusion: 本品符合企业标准 All results conform to the enterprise standard		

