



**Buckton
Scott
Deutschland**

Specification	DATE:	21.02.2025
L-Serine	TEST METHOD:	USP43

Item	Specification
CAS no.	56-45-1
Identification (Infrared Absorption)	Corresponding to Reference Spectrum
Appearance	White crystals or crystalline powder
Specific rotation $[\alpha]_D^{25^\circ C}$	+14.0° ~ +15.6°
State of Solution	≥98.0%
Assay	98.5% - 101.5%
pH value	5.5 ~ 6.5
Loss on drying	≤0.2%
Residue on Ignition	≤0.1%
Sulfate	≤0.03%
Chloride	≤0.05%
Iron	≤10ppm
Heavy metals	≤10ppm
Lead	≤3ppm
Cadmium	≤1ppm
Mercury	≤0.1ppm
Arsenic	≤1ppm
Organic volatile impurities	Meet the requirements
Residual Solvents	Meet the requirements
Particle size	≥99% Pass Through 20 mesh
Chromatographic purity	
Any individual impurity	≤0.5%
Total impurities	≤2.0%
Microbiological Limits	
Total Plate Count	≤1000cfu/g
Yeasts & molds	≤100cfu/g
Coliforms	≤10cfu/g
E.coli	Negative
Salmonella	Negative
Pseudomonas	Negative

INFORMATION ABOVE AS RECEIVED FROM OUR SUPPLIER

INGREDIENTS WORLDWIDE

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Amtsgericht Braunschweig
HRB 20 33 17



DE-ÖKO-039
EU/non-EU
Agriculture



Broker



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Staphylococcus aureus	Negative
Storage condition Packing Shelf life Country of Origin	Preserve in tight containers at controlled room temperature 25kg/drum Recommend 3 years China

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