



**Buckton
Scott
Deutschland**

Specification	DATE:	25.03.2024
L-Cysteine	TEST METHOD:	AJI92

Item	Specification
CAS no.	52-80-4
Identification	Compare the infrared absorption spectrum of the sample with that of the standard by potassium bromide disc method.
Appearance	White crystals or crystalline powder
Specific rotation	+8.3 to +9.5° (Dried Sample)
State of solution (Transmittance)	Clear and colorless Not less than 95.0 %
Solubility (In water at 20°C)	16g / 100g
Assay	98.0% - 101.0%
pH value	4.5 to 5.5
Loss on drying	≤0.5%
Residue on Ignition	≤0.1%
Sulfate	≤0.03%
Chloride	≤0.04%
Ammonium	≤0.02%
Iron	≤10ppm
Heavy metals	≤10ppm
Lead	≤3ppm
Cadmium	≤1ppm
Mercury	≤0.1ppm
Arsenic	≤1ppm
Other amino acids	≤1.0%
Particle size	100% pass through 12 mesh
Microbiological Limits	
Total Plate Count	≤500cfu/g
Yeasts & molds	≤100cfu/g
Coliforms	≤10cfu/g
E.coli	Negative/25g
Salmonella	Negative/25g
Staphylococcus aureus	Negative/25g
Pseudomonas	Negative/25g
Storage condition	Preserve in tight containers at controlled room temperature
Shelf life	2 years

INFORMATION ABOVE AS RECEIVED FROM OUR SUPPLIER

INGREDIENTS WORLDWIDE

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DE-ÖKO-039
EU/non-EU
Agriculture



Broker



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Remarks	Vegan/Non-animal Source
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