



Product Specification

AMINATURE
AMINO ACID, DELIVERY FROM NATURE

Ver_3.0_Issued in Apr, 2019

L – Cysteine

1. Product and Company Information

Produced by Fermentation

White crystals or crystalline powder, characteristic taste. Very soluble in water.

Chemical Formula : $C_3H_7NO_2S$
Formula Weight : 121.16 g/mol
CAS Number : 52-90-4
EINECS Number : 200-158-2
Manufacturer Name : CJ Haide (Ningbo) Biotech Co., Ltd.
Manufacturer Address : #799 Feng xiang Rd, Xiepu, Zhenhai, Ningbo 315204 China

2. Chemical / Analytical Information

Analysis Item	Specification	Method
Characters, Appearance	White or almost white, crystalline powder or colourless crystals	
Characters, Solubility	Freely soluble in water	
Identification	Infrared absorption	In house
Assay	NLT 98.5% and NMT 101.0%	In house
Residue on Ignition (Sulfated Ash)	NMT 0.2%	In house
Chloride	NMT 0.1%	In house
Sulfate	NMT 0.03%	In house
Ammonium	NMT 0.02%	In house
Iron	NMT 10ppm	In house
Lead	NMT 1 ppm	USP 41
Arsenic	NMT 0.5 ppm	USP 41
Cadmium	NMT 0.5 ppm	USP 41
Mercury	NMT 0.1 ppm	USP 41
Heavy Metals	NMT 10 ppm	In house
Optical Rotation	+8.3° to +9.5° (at 20°C)	In house
pH	4.5~ 5.5	In house
Loss on Drying	NMT 0.5%	In house

3. Microbiological Information

Analysis Item	Specification	Method
Total viable count	NMT 1000 cfu/g	USP 41
Yeast & mould	NMT 100 cfu/g	USP 41
Enterobacteriaceae	Negative/10g	ISO
Salmonella sp.	Negative/25g	USP 41
Coliforms bacteria	Negative/g	USP 41
Escherichia coli	Negative/g	USP 41
Staphylococcus aureus	Negative/g	USP 41
Bacillus sp.	Negative/g	GB
Clostridium sp.	Negative/g	USP 41

4. Storage Conditions & Shelf life

Keep container dry and tightly closed; Keep in a cool well-ventilated place; Keep away from heat and oxidizing agents.

Shelf life: Recommend usage within 2 years from date of production

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