L-CYSTEIN HCl MONOHYDRATE ANALİZ SERTİFİKASI

Product Name : L-Cystein HCl Monohydrate

Cas Number : 7048-04-6

Molecular Formula : $C_3H_{10}ClNO_3S$

Item	Specification	Result
Description	White crystals or crystalline powder; strongly acid taste.	White crystals Strongly acid taste
Solubility	Very soluble in water.	Very soluble in water
Identification	Compare the infrared absorption spectrum of the sample with that of the standard by potassium bromide method.	Identical
Specific rotation $[\alpha]_D^{20}$	+6.1° ~ + 7.8° (Dried Sample)	+ 7.0°
State of solution（Transmittance）	Clear and colorless ≥98.0%	Clear and colorless 99.7%
Chloride	19.89% ~ 20.29%	20.12%
Ammonium*	≤0.02%	<0.02 %
Sulfate	≤ 0.020%	<0.020%
Iron	≤ 10ppm	<10ppm
Heavy metals	≤5ppm	<5ppm
Arsenic*	≤1ppm	<1ppm
Other amino acids *	≤0.5%	<0.5%
Loss on Drying	8.50% ~ 12.00%	10.1%
Residue on ignition	≤ 0.10%	0.06%
Assay	99.0 ~ 100.5 %	100.3%
pH	1.5 ~ 2.0	1.8
Pb	≤ 3ppm	<3ppm
Cd*	≤1ppm	<0.01ppm
Hg	≤ 0.1ppm	<0.1ppm
Total plate count*	Less than 1000 cfu/g	Conforms
Yeast & molds*	Less than 100 cfu/g	Conforms
Coliforms*	Less than 10cfu/g	Conforms
E Coli*	Negative/25g	Negative/25g
Salmonella*	Negative/25g	Negative/25g
Pseudomonas*	Negative/25g	Negative/25g
S.Aureus*	Negative/25g	Negative/25g

Not: Bu belge üzerindeki spesifikasyonlar, üretici tarafından yapılan analiz sonuçlarındaki değerlerle bire bir aynıdır.