

Gojira Fine Chemicals, LLC

Quality Products & Services Meeting Customer Needs
5386 Majestic Parkway, Suite 7, Bedford Heights, OH 44146
www.qojirafc.com • sales@qojirafc.com

Certificate of Analysis

L-Cysteine HCI Monohydrate USP/FCC/EP

 Catalog Number:
 CY1004

 Lot Number:
 1019502

 CAS Number:
 7048-04-6

Molecular Formula: $C_3H_7NO_2S \cdot HCI \cdot H_2O$

Molecular Weight: 175.6

Storage: $15^{\circ}\text{C} - 30^{\circ}\text{C}$, Keep away from strong heat or light

Date of Manufacture: May 20, 2015 Retest Date: May 19, 2017

Test	Specification	Result
Appearance	Fine white crystalline powder	Conforms
Assay(Dry Basis)	98.5% – 101.5%	99.8%
Specific Rotation	+5.7° - +6.8°	+6.0°
Identification	Infrared absorption	Conforms
State of Solution (Transmittance)	Clear & colorless ≥ 98%	99.0%
	Not more intensely colored than BY6	Conforms
Moisture (LOD)	8.0% - 12.0%	9.5%
Residue on Ignition	≤ 0.4%	0.04%
Ammonium	≤ 200ppm	< 200ppm
Sulfate	≤ 0.03%	< 0.03%
Chromatographic Purity		
Individual	≤ 0.5%	< 0.5%
Total	≤ 2.0%	< 2.0%
Ninhydrin-positive Substances	≤ 0.5%	< 0.5%
Heavy Metals	≤ 15ppm	< 10ppm
Iron	≤ 30ppm	< 10ppm
Lead	≤ 3.0ppm	< 3.0ppm
Residual Solvents	To meet requirements	Conforms
Total Aerobic Count	≤ 1000cfu/g	< 1000cfu/g
Mold & Yeast	≤ 100cfu/g max	< 100cfu/g
Coliforms	≤ 10 cfu/g max	< 10cfu/g
S. aureus	Negative	Negative
E. coli	Negative	Negative
Salmonella	Negative	Negative
Pseudmonas	Negative	Negative
This lot meets the specifications for USP36/FCC/EP7.		

Approved by: Date: October 19, 2015

For research or further manufacturing. Not for drug, clinical or a food use in humans or animals.



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