

## **CERTIFICATE OF ANALYSIS**

Product Name:	DL-Cysteine Base	Report Date:	Aug 04, 2017
Formula:	C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> S	Batch No.:	170802
CAS No.:	3374-22-9	Manu. Date:	Aug 02, 2017
Inspection Standard:	AJI92	Exp. Date:	Aug 01, 2019

## **RESULTS OF ANALYSIS**

Test Items	Specifications	Results
Appearance	White crystals or crystalline powder	Conforms
Specific rotation $[\alpha]_D^{20}$	±1°	+0°
Identification	Infrared Absorption	Conforms
State of solution (Transmittance)	Clear and colorless Not less than 95.0%	99.0%
Chloride(Cl)	Not more than 0.10%	<0.10%
Iron(Fe)	Not more than 5ppm	<5ppm
Heavy Metals(Pb)	Not more than 10ppm	<10ppm
Arsenic	Not more than 1ppm	<1ppm
Other amino acids	Chromatographically not detectable	Conforms
Loss on drying	Not more than 0.2%	0.08
Residue on ignition(sulfated)	Not more than 0.10%	0.04%
Assay	98.0% to 102.0%	99.5%
Conclusion:  Conforms to the specifications of AJI92.  质检专用章		

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