WUHAN SOLEADO TECHNOLOGY CO.,LTD

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CERTIFICATE OF ANALYSIS		
Product: L-Cysteine Hydrochle	oride Monohydrate	
Packing:25kgs net/drum	Manufacture Date: Mar 8,2013	
Quality Standard:AJI92	Analysis Date: Mar 9,2013	
Quantity:1000kgs	Expiry Date: Mar 7 ,2015	
Batch No:1303067	CAS No: 7048-04-6	
Item	Specification (AJI92)	Results
Description	White crystals or crystalline	
	powder, strongly acid taste, very soluble in	Conforms
	water	
Identification	Compare the infrared absorption spectrum	
	of the sample with that of the starndard by	Conforms
	potassium bromide disc method	
Specific rotation $\left[\alpha\right]_{D}^{20}$	+5.5° to +7.0°	$+6.0^{\circ}$
state of solution	Clear and colorless	
(Transmittance)	Not less than 98.0%	98.1%
Chloride(Cl)	19.89% to 20.29%	20.03%
Sulfate(SO ₄)	Not more than 0.020%	0.010%
Ammonium(NH4)	Not more than 0.02%	<0.02%
Arsenic(As2O3)	Not more than 1ppm	< 1ppm
Iron(Fe)	Not more than 10ppm	<10ppm
Heavy metals(Pb)	Not more than 10ppm	<10ppm
Other amino acids	Chromatographically	Conforms
	Not detectable	Comorms
Loss on drying	8.5% to 12.0%	11.0%
Residue on ignition(sulfated)	Not more than 0.10%	0.06%
Assay	99.0% to 100.5%	99.6 %
РН	1.5 to 2.0	1.7

CERTIFICATE OF ANALYSIS

Conclusion : the product comply with the specification of AJI92

Analyst:Li qing/Chen xiaoqi

Verifier:Wang fen

Quality manager:Liu hui