

Certificate of Analysis

Product Name	L-Cysteine		
Batch No.	CY230210		
Batch Quantity	600kgs		
Storage Condition	Store in cool & dry place, Keep away from strong light and heat.		

Item	Specification	Result	Method
Basic Product Information			
Country of Origin	China	Conform	/
Organoleptic Data			
Assay	99.0%-101.0%	99.2%	CP2010
Appearance	Fine powder	Conform	HE-QCS-1008
Color	White	Conform	GB/T 5492-2008
Odor	Characteristic	Conform	GB/T 5492-2008
Taste	Characteristic	Conform	GB/T 5492-2008
Physical Characteristics			
Specific Rotation	+8.3°C~ +9.5°C	+8.5°C	CP2010
Transmittance	>95.0%	98.6%	CP2010
PH	4.5~5.5	4.7	CP2010
Loss on Drying	<0.5%	0.35%	GB/T 14769-1993
Ash Content	<0.1%	0.07%	AOAC 942.05, 18th
Residual solvents			
Toluene	≤0.1%	0.092%	CP2010
Methanol	≤0.3%	0.14%	CP2010
Chloroform	≤0.006%	0.003%	CP2010
Heavy Metals			
Total Heavy Metals	<10ppm	Conform	USP <231>, method II
Pb	<2.0ppm	Conform	AOAC 986.15, 18th
As	<1.0ppm	Conform	AOAC 986.15, 18th
Fe	<10PPM	Conform	/
Chloride(Cl)	<0.04%	Conform	AOAC 971.21, 18th
Ammonium(NH)	<0.02%	Conform	/
Sulfate (SO4)	<0.03%	Conform	/
Other amino acids	Chromatographically	Conform	/

