

## Certificate of Analysis

Items		Specification	Testing Results	Testing Method
1	Origin	Terrestrial origin	complies	
2	Appearance	White Powder	Complies	USP31
3	Purity	>90%	91.85% (CPC) 91.59% (HPLC)	USP31
4	Protein	<6.0%	3.05%	USP31
5	Loss on drying	<10.0%	9.37%	USP31
6	pH	5.5-7.5	6.7	USP31
7	Clear degree	Clear and colorless	Complies	USP31
8	Chloride	<5000ppm	Complies	USP31
9	Sulfate	<2400ppm	Complies	USP31
10	Residue on ignition	20%-30%	24.5%	USP31
11	Specific rotation	-20° ~ -30°	-27°	USP31
12	Light absorbance	<0.35	0.175	USP31
13	Heavy Metals	<20ppm	Complies	USP31
14	Arsenic	<2ppm	Complies	USP31
15	Total Plate Count	<1000cfu/g	Complies	USP31
16	Yeast & Molds	<100cfu/g	Complies	USP31
17	E.Coli	Negative	Complies	USP31
18	Salmonella Species	Negative	Complies	USP31
19	Particle size	100% through 100 mesh	Complies	USP31

Conclusion fully complies with the a.m. standard.