

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Sodium Copper Chlorophyllin		
<b>Reference Standard</b>	USP40		
<b>Batch Number</b>	20210609	<b>Manufacture Date</b>	20210609
<b>Report Date</b>	20210609	<b>Expiry Date</b>	20230608

Item of Analysis	Specification	Results
Characteristics	Dark green fine powder	Conforms
<b>Identification</b>		
Absorbance	539.6min.	557.77
Assay	95%min.	98.2%
Ratio(A405/A630)	3.0-3.9	3.54
Content of total copper	Not less than 4.25%	5.30%
Content of chelated copper	Not less than 4.0%	5.28%
Content of sodium	5%-7%on dried basis	6.1%
Nitrogen determination	Not less than 4.0%	4.8%
PH	9.5-10.7(in a solution 1 in 100)	10.55
Loss on drying	Not more than 5%(at 105°C for 2hours )	3.7%
Test for fluorescence	No fluorescence is visible	Conforms
<b>Impurities</b>		
Limit of ionic copper	Not more than 0.25% on dried basis	0.02%
Residue on ignition	Not more than 30% on dried basis	24.4%
Arsenic	Not more than 3ppm	0.5ppm
Lead	Not more than 5ppm	0.22ppm
Cadmium	Not more than 1ppm	0.1ppm
Mercury	Not more than 1ppm	0.16ppm
Iron	Not more than 0.50%	0.15%
E. Coli.	Negative	Conform
Salmonella	Negative	Conform
Staphylococcus	Negative	Conform
Total plate count	NMT 1000 cfu/g	Conforms
Yeast	NMT 100 cfu/g	Conforms
Mould	NMT 100 cfu/g	Conforms
Salmonella	Negative	Conforms
E.Coli.	Negative	Conforms

**Storage:** Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

**Shelf Life:** 24 months if store under the conditions above and stay in original packaging.

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