



## CERTIFICATION OF ANALYSIS

<b>Product Name</b>	Sodium Copper Chlorophyllin
<b>Batch Number</b>	NT202451221
<b>Batch Quantity</b>	900 Kgs
<b>Manufacturing Date</b>	2025.12.21
<b>Shelf life</b>	24 Months
<b>Expiry date</b>	2027.12.20
<b>Package</b>	25 Kg/Drum
<b>Country of Origin</b>	China

Item	Specification	Result
<b>Physical Description</b>		
Characteristics	Dark Green Fine Powder	Conforms
Loss on Drying	≤ 5% (at 105°C for 2hours)	3.8%
Residue on Ignition	≤ 30% on dried basis	24.2%
pH	9.5-10.7 (in a solution 1 in 100)	10.5
Test for Fluorescence	No fluorescence is visible	Conforms
Bulk Density	≥0.3g/ml	Conforms
Particle Size	90% through 60 mesh	Conforms
<b>Identification</b>		
Absorptance	568 min.	568.56
Assay	97% min.	100.1%
Extinction Ratio(A405/A630)	3.0-3.9	3.66
<b>Other Components</b>		
Total Copper	≥ 4.25%	5.06%
Chelated Copper	≥ 4.0%	5.04%
Limit of Ionic Copper	≤ 0.25% on dried basis	0.016%
Sodium	5%-7% on dried basis	6.1%
Nitrogen Determination	≥ 4.0%	4.8%
<b>Heavy Metals</b>		
Arsenic	≤ 1ppm	0.20ppm
Lead	≤ 1ppm	0.23ppm
Cadmium	≤ 1ppm	0.10ppm
Mercury	≤ 1ppm	0.14ppm
Iron	≤ 0.50%	0.15%
<b>Microbiology Control</b>		
Total Plate Count	≤ 1000 cfu/g	Conforms
Yeast	≤ 100 cfu/g	Conforms
Mould	≤ 100 cfu/g	Conforms
Salmonella	Negative	Conforms
E.Coli.	Negative	Conforms
<b>Reference Standard</b>	<b>USP40</b>	



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**Storage:** Store in a cool,dry place away from Moisture, Light, Oxygen  
**Shelf life:** 24 months under the conditions below, no antioxidant used

QC: Guo Shan

QA: Feng Li



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