



上海诺创生物科技有限公司

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## CERTIFICATE OF ANALYSIS

Product Name: Sodium Copper Chlorophyllin  
Batch Number: 20231220 Batch Quantity: 300KG  
Manufacture Date: 2022-12-20 Expiry Date: 2025-12-19

ITEMS	SPECIFICATION	RESULTS
Appearance	Dark green fine powder	Dark green fine powder
Assay	95% Min	95.4%
Absorptance	539.6min	541.87
Ratio ( $A_{405}/A_{630}$ )	3.0-3.9	3.56
Content of total copper	Not less than 4.25%	4.96%
Content of chelated copper	Not less than 4.0%	4.94%
Content of sodium	5%-7% on dried basis	6.00%
PH	9.5-10.7(in a solution 1 in 100)	10.5
Loss on drying	Not more than 5% (at 105°C for 2 hours)	3.9%
Test for fluorescence	No fluorescence is visible	Conforms
Nitrogen determination	Not Less than 4.0%	4.8%
Limit of ionic copper	Not more than 0.25% on dried basis	0.018%
Residue on Ignition	Not more than 30% on dried basis	24.1%
Arsenic	Not more than 2ppm	0.2ppm
Lead	Not more than 1ppm	0.2ppm
Cadmium	Not more than 1ppm	0.1ppm
Mercury	Not more than 1ppm	0.17ppm
Iron	Not more than 0.5%	0.15%
Total Plate Count	NMT 1000 cfu/g	Conforms
Yeast	NMT 100 cfu/g	Conforms
Mould	NMT 100 cfu/g	Conforms
Salmonella	Negative	Negative
E-Coli	Negative	Negative
<b>Conclusion</b>	Comply with USP42 Standard.	
<b>Storage</b>	Store in cool & dry place, keep away from strong light and heat.	

Shawn  
Analyst

Rick  
Approved

Whip  
Header of QC