



Xi'an Quanao Biotech Co., Ltd.

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Certificate of Analysis

Product Name	Sodium Copper Chlorophyllin Powder		
CAS No.	11006-34-1	M.F.	C34H29CuN4Na3O6
Production Date	2021-03-02	Batch No.	QC20210302
Expiry Date	2023-03-01	Report Date	2021-03-10
Original			
ITEMS	SPECIFICATIONS		RESULTS
Appearance	Dark green powder		Complies
Odor & Tasted	Characteristic		Complies
Absorptance	≥568		579.4
Copper Chlorophyllin(%)	≥98.0 UV		99.48
Extinction Ratio	3.0-3.9		3.69
Content of total Copper(%)	≥4.25		5.80
Content of total Chelated(%)	≥4.0		5.40
Content of total Sodium(%)	5-7 on dried base		6.0
Nitrogen determination(%)	≥4.0		4.6
Loss on Drying(%)	≤5.0		2.27
PH	9.5-10.70		10.54
Residue on Ignition(%)	≤20%		18.7
Limit of ionic copper(%)	≤0.25		0.018
Solvent Residue	Negative		Complies
Particle size(%)	100% through 80 mesh sieves		Complies
Heavy Metals			
Heavy Metal(ppm)	≤10.0		Complies
Pb(ppm)	≤1.0		Complies
As(ppm)	≤1.0		Complies
Hg(ppm)	≤0.1		Complies
Cd(ppm)	≤1.0		Complies
Microbiological Tests			
Total Plate Count(cfu/g)	≤1000		Complies
Yeasts and Moulds(cfu/g)	≤100		Complies
E.coli(cfu/g)	Negative		Complies
Salmonella	Negative		Complies
Conclusion	Conform to the standard.		
Packing	25kg/drum		
Storage and Handling	Store in a cool and dry place, keep away from direct strong and heat.		
Shelf life	Two years if sealed and store away from direct sun light		

QC: Li Ting

QA: Tian Wen

