



山东蓝墨生物科技有限公司

SHANDONG LANMO BIOTECH CO.,LTD

<u>Item</u>	<u>Specification</u>	<u>Method of analysis</u>
Sodium Copper Chlorophyllin		
Appearance	Dark green fine powder	Vision
Ordor	Characteristic odor	Smell
Taste	Characteristic taste	Taste
Mesh	100% pass 80 mesh	Mesh screen or equivalent
Ratio(A_{405}/A_{630})	3.0-3.9	Atomic absorption spectrophotometer
Moisture	<5%	IR balance or equivalent
Content of total copper	Not less than 4.25%	Atomic absorption spectrophotometer
Content of chelated copper	Not less than 4.0%	Atomic absorption spectrophotometer
Content of Sodium	5%-7% on dried basis	Atomic absorption spectrophotometer
Nitrogen determination	Not less than 4.0%	Atomic absorption spectrophotometer
Impurities		
Limit of ionic copper	≤0.25% on dried basis	Atomic absorption spectrophotometer
Residue on ignition	<30%	2g/525°C/5hrs or equivalent
Arsenic	Not more than 3ppm	Atomic absorption spectrophotometer
Lead	Not more than 5ppm	Atomic absorption spectrophotometer
Mercury	Not more than 1ppm	Atomic absorption spectrophotometer
cadmium	Not more than 1ppm	Atomic absorption spectrophotometer
Iron	Not more than 0.50%	Atomic absorption spectrophotometer
Total heavy metals	Not more than 10ppm	Colorimetry
Solvent residues	Not more than 5000ppm	GC-MSD
Aceton	Not more than 1000ppm	GC-MSD
Ethanol	Not more than 1000ppm	GC-MSD
Specific Tests		
Total plate count	NMT 1000 cfu/g	AOAC
Yeast	NMT 100 cfu/g	AOAC
Mould	NMT 100 cfu/g	AOAC
Salmonella	Negative	AOAC
E.Coli.	Negative	AOAC
PH	9.5-10.7(in a solution 1 in 100)	PH detector
Test for Fluorescence	No fluorescence is visible	N/A
Reference Standard	USP40	

Shelf life: 2 years

Storage condition: Preserve in tight, light-resistance containers.

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