

杭州东瑞医药科技有限公司
HANGZHOU DAWN RAY PHARMACEUTICAL CO.,LTD.

CERTIFICATE OF ANALYSIS

Sodium copper chlorophyllin (milling ball)

Batch No.: DR20140320	Quantity: 25kg
Manufacture Date: 2014.03.20	Expiry Date: 2016.03.19

TESTS:

Items	Specification	Results
Characteristics	Dark green fine powder	Conforms
Identification		
Absorptance	568min	574.7
Assay	100%min	101.2%
Ratio (A405/A630)	3.0~3.9	3.52
Other Compeonents		
Content of total copper	Not less than 4.25%	4.70%
Content of chelated copper	Not less than 4.0%	4.68%
Content of sodium	5.0%~7.0% on dried basis	6.12%
Nitrogen determination	Not less than 4.0%	4.66%
Impurities		
Limit of ionic count	Not more than 0.25% on dried basis	0.018%
Residue on ignition	Not more than 30%on dried basis	29.24%
Arsenic	Not more than 3ppm	0.3ppm
Lead	Not more than 10ppm	0.9ppm
Iron	Not more than 0.50%	0.073%
Total Plate Count	NMT1000cfu/g	10cfu/g

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Yeast	NMT 100cfu/g	0
Mould	NMT 100cfu/g	0
Salmonella	Negative	Conforms
E.Coli	Negative	Conforms
PH	9.5~10.7 (in a solution 1 in 100)	10.68
Loss on drying	Not more than 0.5% (at 105°C for 2 hours)	2.28%
Test for fluorescence	No fluorescence is visible	Conforms
Packing and storage	Preserve in light, light-resistance containers.	
Conclusion: The results conform to the USP35 standard.		

Analyst: Joe Yu Checker: Agnes Zhong QA.Manager: Sun Wenhui



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