



MiniStar International Inc.

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Y213126210

1kg

Certificate of Analysis

Date of Issuance: February 13, 2014

Date of Manufacture: January 10, 2014

Product Name: Polygonum Cuspidatum (Resveratrol) Powder Extract
Common Name: Giant Knotweed
Latin Name: *Polygonum cuspidatum*
Part Used: Root
Extraction Solvent: Ethyl acetate & 70% Ethanol 30% Water
Carrier: None
Batch No.: 20140110
Product Code: POL181
Country of Origin: China

Appearance:	Fine Powder	Visual
Color:	Off-white	Visual
Odor:	Characteristic	Organoleptic
Taste:	Characteristic	Organoleptic

ITEMS	SPECIFICATIONS	TEST RESULTS	TEST METHOD
Identification:	Positive	Positive	TLC
Assay:	NLT 98% Trans-Resveratrol	98.20%	HPLC
Emodin:	NMT 100 ppm	50 ppm	HPLC
Sieve Analysis:	NLT 100% through 80 mesh	100% through 80 mesh	80 Mesh Screen
Loss on Drying:	NMT 0.5%	0.45%	5g/105°C/2hrs
Sulphated Ash:	NMT 0.5%	0.08%	2g/525°C/3hrs
Bulk Density:	30g/100ml – 50g/100 ml	33.9g/100ml	USP616
Heavy Metals:	NMT 10 ppm	<10 ppm	Colorimetry
Arsenic:	NMT 1 ppm	0.08 ppm	AAS
Lead:	NMT 0.2 ppm	0.07 ppm	AAS
Mercury:	NMT 1 ppm	0.05 ppm	AAS
Cadmium:	NMT 1 ppm	0.02 ppm	AAS
Pesticide Residue:			
666:	NMT 0.01 ppm	Negative	GC
DDT:	NMT 0.01 ppm	Negative	GC
PCNB:	NMT 0.01 ppm	Negative	GC
Solvent Residue:			
Ethanol:	NMT 5000 ppm	310 ppm	GC
Ethyl Acetate:	NMT 5000 ppm	32 ppm	GC
Methanol:	NMT 200 ppm	29 ppm	GC
Sterilization Method:	High Temperature		

MICROBIOLOGY

Total Plate Count:	NMT 1,000 cfu/g	133 cfu/g	CP2005
Total Yeast & Mold:	NMT 100 cfu/g	20 cfu/g	CP2005
E. Coli:	Negative	Negative	CP2005
Salmonella:	Negative	Negative	CP2005

Storage: Store in a well-closed container away from moisture, sunlight and heat.
Recommend re-test three years from the date of manufacture.

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