



陕西福瑞森贸易有限公司
SHAAN XI FREESUN TRADING CO.,LTD

CERTIFICATE OF ANALYSIS

Product and Batch Information	
Product Name: Resveratrol	
CAS NO.: 501-36-0	Botanical Name: <i>Polygonum cuspidatum</i> Sieb. et Zucc
Molecular Formula: C ₁₄ H ₁₂ O ₃	Molecular Weight: 228.24
Batch No.: 20111101	Manufacture Date: November 16, 2011
Quantity: 220kg	Expiry Date: November 15, 2013

Item	Specification	Result	Test Method
Appearance	Fine crystal white powder	Conform	Olfactory
Odor and taste	Characteristic	Conform	Olfactory
Loss on drying	≤1.0%	0.5%	GB/T 22427.5-2008
Residue on ignition	≤0.1%	0.05%	GB/T 5009.3-2003
Particle Size	98% through 80 mesh	Conform	GB/T 5009.4-2003
Identification	Positive	Conform	IR & 1H NMR
Melting Point(°C)	250-255	251-254	Melting cryoscope
Bulk density	0.35-0.65g/ml	0.48g/ml	ASTM D1895B
Assay (Resveratrol)	≥98%	99.2%	HPLC
Residual solvent	Meeting USP Standard	600ppm	GC
Heavy metals(Pb)	≤10.0ppm (test annually)	Conform	ICP/MS AOAC 993.14
Lead(Pb)	≤1ppm (test annually)	0.06ppm	ICP/MS AOAC 993.14
Arsenic(As)	≤2ppm (test annually)	0.17ppm	ICP/MS AOAC 993.14
Mercury(Hg)	≤0.1ppm (test annually)	0.005ppm	ICP/MS AOAC 993.14
Cadmium(Cd)	≤0.3ppm (test annually)	0.01ppm	ICP/MS AOAC 993.14
Total plate count	≤1000cfu/g	120cfu/g	GB/T 4789.2-2008
Yeasts & Molds	≤100 cfu/g	10cfu/g	GB/T 4789.15-2003
Salmonella	Negative/10g	Negative	GB/T 4789.4-2008
E. Coli	Negative/10g	Negative	GB/T 4789.38-2008
Staphylococcus aureus	Negative/10g	Negative	GB/T 4789.37-2008

Conclusion

Meets in-house specification.

Packing and Storage

Packing	Pack in paper-drums and two plastic-bags inside.25kg/drum
Storage	Store in a well-closed place with constant low temperature and no direct sun light
Genetic Modification State	This product is GMO free products.
Free Radiation Effect	This product is not been irradiated.

Laboratory technician: 赵强	Checker: 24	Quality control: 李明
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