



We Bring Natural Ingredient From Nature

Shaanxi Guanjie Technology Co., Ltd.

Certificate of Analysis

Product Name	Resveratrol	Manufacture Date	July. 11th, 2021
Batch No.	RE210711	Certificate Date	July. 15th, 2021
Batch Quantity	2100kgs	Expiration Date	July. 10th, 2023
Storage Condition	Store in cool & dry place, Keep away from strong light and heat.		

Item	Specification	Result	Method
Basic Product Information			
Genus and Species	<i>Polygonum cuspidatum Sieb et Zucc.</i>	Conform	/
Part of the Plant	Root	Conform	/
Country of Origin	China	Conform	/
Marker Compounds			
Assay(Trans-resveratrol)	>99.0%	99.24%	HPLC
Emodin	<0.07%	0.01%	HPLC
Organoleptic Data			
Appearance	Fine Powder	Conform	GJ-QCS-1008
Color	Off-white to light yellow	Conform	GB/T 5492-2008
Odor	Characteristic	Conform	GB/T 5492-2008
Taste	Characteristic	Conform	GB/T 5492-2008
Process Data			
Method of Processing	Extraction	Conform	/
Solvent(s) Used	Ethanol & Water	Conform	/
Drying Method	Vacuum drying	Conform	/
Excipient	None	Conform	/
Ratio of Extraction	100:1	Conform	/
Physical Characteristics			
Melting point	253℃~255℃	254.5℃	GB/T 21781-2008
Solubility	Soluble in Alcohol	Conform	Visual
Particle Size (80 mesh)	>98.0% pass 80mesh	Conform	Ch.P2015 IV: 0982
Loss on drying	<2.0%	0.65%	GB 5009.3-2016
Ash Content	<1.0%	0.50%	GB 5009.4-2016
Solvent Residue	Eur Pharm	Conform	GB 5009.262—2016
Heavy Metals			
Total Heavy Metals	<10ppm	Conform	GB 5009.74-2014
As	<2.0ppm	Conform	GB/T 5009.11-2014
Pb	<2.0ppm	Conform	GB 5009.12-2017
Cd	<0.5ppm	Conform	GB 5009.15-2014
Hg	<0.5ppm	Conform	GB/T 5009.17-2014
Microbiology			
Total Plate Count	<1,000cfu/g	Conform	GB 4789.2—2016
Total Yeast & Mold	<100cfu/g	Conform	GB 4789.15—2016
E. Coli	Negative	Negative	GB 4789.38-2012
Salmonella	Negative	Negative	GB 4789.31-2016

Conclusion: Complies with specification

Tested by: Liu gang

Date: 2021.07.15

Approved by: Susan Sun, Ph.D

Date: 2021.07.15

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