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Shaanxi Guanjie Technology Co., Ltd(factory)

## Certificate of Analysis

<b>Product Name</b>	Resveratrol	<b>Manufacture Date</b>	July.10,2022
<b>Batch No.</b>	RE220710	<b>Certificate Date</b>	July.14,2022
<b>Batch Quantity</b>	3000kgs	<b>Expiration Date</b>	July.09,2024
<b>Storage Condition</b>	Store in cool & dry place, Keep away from strong light and heat.		

Item	Specification	Result	Method
<b>Basic Product Information</b>			
Genus and Species	<i>Polygonum cuspidatum Sieb et Zucc.</i>	Conform	/
Part of the Plant	Root	Conform	/
Country of Origin	China	Conform	/
<b>Marker Compounds</b>			
Assay(Trans-resveratrol)	>98.0%	99.92%	HPLC
Emodin	<0.07%	0.02%	HPLC
<b>Organoleptic Data</b>			
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
<b>Process Data</b>			
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	/
<b>Physical Characteristics</b>			
Melting point	253°C~255°C	254.7°C	GB21781-2008T
Solubility	Soluble in Alcohol	Conform	Visual
Particle Size (80 mesh)	>98.0% pass 80mesh	Conform	GB/T 5507-2008
Loss on drying	<2.0%	0.33%	GB/T 14769-1993
Ash Content	<1.0%	0.26%	AOAC 942.05, 18th
Solvent Residue	Eur Pharm	Conform	GJ-QCS-1007
<b>Heavy Metals</b>			
Total Heavy Metals	<10ppm	Conform	USP <231>, method II
As	<2.0ppm	Conform	AOAC 986.15, 18th
Pb	<2.0ppm	Conform	AOAC 986.15, 18th
Cd	<0.5ppm	Conform	AOAC 986.15, 18th
Hg	<0.5ppm	Conform	AOAC 971.21, 18th
<b>Pesticide Residue</b>			
666	<0.2ppm	Conform	GB/T5009.19-1996
DDT	<0.2ppm	Conform	GB/T5009.19-1996
<b>Microbiology</b>			
Total Plate Count	<1,000cfu/g	Conform	AOAC 990.12, 18th
Total Yeast & Mold	<100cfu/g	Conform	FDA (BAM) Chapter 18, 8th Ed.
E. Coli	Negative	Negative	AOAC 997.11, 18th
Salmonella	Negative	Negative	FDA (BAM) Chapter 5, 8th Ed.

**Conclusion: Complies with specification**

**Tested by:** Liu gang

**Date:** 2022.07.14

**Approved by:** Susan Sun, Ph.D

**Date:** 2022.07.14



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