

## Certificate of Analysis

Luteolin

Brand Name :Biochempartner

M.Wt: 448.38

Formula: C<sub>21</sub>H<sub>20</sub>O<sub>11</sub>

Solubility: DMSO

Purity: >98%

Storage: Store at -20°C

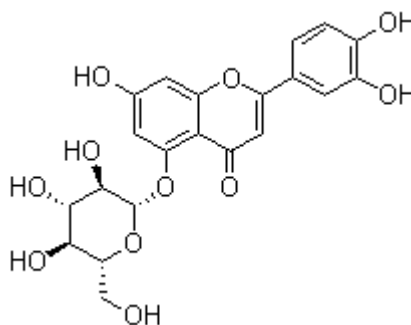
CAS No.: 20344-46-1

Batch NO: 201210428

Manufacture date: 201210428

Analysis date: 201210428

Expiry date:20140427



Item	Specification	Results	Method
Basic Product Information			
Genus and Species	Arachis hypogaea L.	Conform	/
Part of the Plant	shell	Conform	/
Country of Origin	China	Conform	/
Marker Compounds			
Aescin (Luteolin)	>98.0%	98.26%	HPLC
Organoleptic Data			
Appearance	Powder	Conform	NLS-QCS-1008
Color	Yellow-green fine powder	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	Methanol & Water	Conform	/
Drying Method	Vacuum drying	Conform	/
Excipient	None	Conform	/
Ratio of Extraction	50:1	Conform	/
Physical Characteristics			

Note: Products protected by valid patents are not offered for sale in countries where the sale of such products constitutes a patent infringement and its liability is at buyer's risk. This item is only for R&D purpose not for commercial business in kilos. Buyers should overview the patent issue in their countries.

Solubility	Soluble in Methanol and Water	Conform	Visual
Melt point	328°C ~ 330°C	329.3°C	Visual
Particle Size (80 mesh)	>95.0%	Conform	GB/T 5507-2008
Moisture	<5.0%	2.8%	GB/T 14769-1993
Ash Content	<5.0%	2.3%	AOAC 942.05, 18 <sup>th</sup>
Solvent Residue	None	Conform	NLS-QCS-1007
Heavy Metals			
Total Heavy Metals	<10 ppm	Conform	USP <231>, method II
Arsenic	<1.0 ppm	Conform	AOAC 986.15, 18 <sup>th</sup>
Lead	<1.0 ppm	Conform	AOAC 986.15, 18 <sup>th</sup>
Mercury	<0.5 ppm	Conform	AOAC 971.21, 18 <sup>th</sup>
Pesticide Residue			
666	<0.2ppm	Conform	GB/T5009.19-1996
DDT	<0.2ppm	Conform	GB/T5009.19-1996
Microbiology			
Total Plate Count	<1,000cfu/g	65cfu/g	AOAC 990.12, 18th
Total Yeast & Mold	<100cfu/g	12cfu/g	FDA (BAM) Chapter 18, 8th Ed.
E. Coli	Negative	Negative	AOAC 997.11, 18 <sup>th</sup>
Salmonella	Negative	Negative	FDA (BAM) Chapter 5, 8th Ed.

Conclusion: Complies with In-house standard.

QA manager :kexianxun

For and on behalf of  
SHANGHAI BIOCHEMPARTNER CO., LIMITED

Authorized Signature(s)

Kevin



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