



We Bring Natural Ingredient From Nature

Shaanxi Guanjie Technology Co., Ltd.

Certificate of Analysis

Product Name	Quercetin	Manufacture Date	Mar. 16th, 2022
Batch No.	QU220316	Certificate Date	Mar. 20th, 2022
Batch Quantity	1300kgs	Expiration Date	Mar. 15th, 2024
Storage Condition	Store in cool & dry place, Keep away from strong light and heat.		

Item	Specification	Result
Basic Product Information		
Genus and Species	<i>Sophora japonica L.</i>	Conform
Part of the Plant	Flower	Conform
Country of Origin	China	Conform
Marker Compounds		
Quercetin(on dry product)	≥98%(UV Method)	99.5%
	≥95%(HPLC Method)	95.6%
Organoleptic Data		
Appearance	Yellow,crystalline powder	Conform
Solubility	Practically insoluble in water	Conform
	Soluble in aqueous alkaline sol.	Conform
Melting point	305-315°C	312°C
Indentification	Must positive	Conform
Tests		
Loss on drying	9.0% to 12.0%	10.1%
Sulphated ash	≤0.5%	0.03%
Mesh Size	100% pass 80mesh	Conform
Heavy Metal	≤10 ppm	<10ppm
Cadmium	≤1ppm	0.02
Arsenic	≤1ppm	0.03
Lead	≤3.0 ppm	0.04
Mercury	<0.1 ppm	0.02
Microbiology		
Total Plate Count	<1,000cfu/g	Conform
Total Yeast & Mold	<100cfu/g	Conform
E. Coli	Negative	Negative
Pseudomonas aeruginosa	Negative	Negative

Conclusion: Complies with enterprise standard

Tested by: Liu gang

Date: 2022.03.20

Approved by: Susan Sun, Ph.D

Date: 2022.03.20



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