



Tel/Fax: 029-8111 0130

Web: www.best-herb.com

Email: info@best-herb.com

Whats: 177 9289 7313

Add: Room 503, Building 3, Dahua Industrial Park, No. 789 Tiangu 6th road, Xi'an Hi-tech zone, Shaanxi, China

XI'AN BEST BIO-TECH CO., LTD.

## CERTIFICATE OF ANALYSIS

Product Name	Quercetin	Botanical source	<i>Sophora Japonica L.</i>
Batch Number	BH240720CH	Solvent Used	Water&Ethanol
Manufacture Date	2024-07-20	Analysis Date	2024-07-25
Used Part	Buds	Expiry Date	2026-07-19

Items	Standards	Results	Method
<b>Physical and chemical analysis:</b>			
Description	Yellow powder	Qualified	Visual
Identification	Must positive	Positive	HPLC
Mesh Size	95% pass 80 mesh	Qualified	CP2020
Assay	≥95%	95.63%	HPLC
Ash Content	≤0.3%	0.03%	CP2020
Loss on Drying	≤12%	9.05%	-Karl Fischer
Melting point	305℃—315℃	312℃	Melting point Apparatus
Reducing sugars	Not be detected	Not detected	Chemical reaction
Bulk density	≥0.1gm/cc	0.19gm/cc	CP2020
<b>Residue analysis:</b>			
Heavy Metal	≤10ppm	Qualified	ICP-MS
Pb	≤2ppm	Qualified	ICP-MS
As	≤1ppm	Qualified	ICP-MS
Hg	≤0.5ppm	Qualified	ICP-MS
Cd	≤1ppm	Qualified	ICP-MS
<b>Microbiological:</b>			
Total Plate Count	≤1000cfu/g	<100cfu/g	CP2020
Yeast&Mold	≤100cfu/g	<50cfu/g	CP2020
E.coil	Negative	Negative	CP2020
Salmonella	Negative	Negative	CP2020
Staphylococcus	Negative	Negative	CP2020
<b>General Information:</b>			
Conclusion	The test results conform to Quercetin Dihydrate HPLC 95% standard.		
Storage	Keep in cool & dry place. Keep away from strong light and heat.		
Shelf life	24 months under the conditions above and in its original packaging.		
Residual Solvent	Meets the requirements of USP.		
Pesticide Screen	Meets the requirements of USP.		
GMO/BSE Status	Not genetically modified organism. Free of BSE		

Tested by: Tony Liu

Approved by: Mike He

Certified by: Albert Li

