



Shaanxi LonierHerb Bio-Technology Co., Ltd.

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Certificate of Analysis

Product Information

Product Name	Quercetin 98%	CAS NO.	6151-25-3
Botanical Name	Sophorae Japonica L.	Manufacture Date	2020.07.02
Used Part	Flos Sophorae bud	Analysis Date	2020.07.07
Batch Number	QPL200702	Report Date	2020.07.12
Batch Quantity	500KG	Expiry Date	2023.07.01

Test items	Specifications	Result	Test Methods
Active Ingredients			
Quercetin	NLT98%	98.67%	UV
	NLT95%	95.60%	HPLC

Physical & Chemical Data

Appearance	Yellow Powder	Conforms	Visual
Odor and Taste	Characteristic	Conforms	Organoleptic
Sieve analysis	90% through 80 mesh	Conforms	80 Mesh Screen
Loss on Drying	≤5.0 %	3.21%	105°C/2 hrs
Water Solubility	Practically insoluble in water Soluble in aqueous alkaline sol	Conforms	Visual
Sulphated Ash	<0.1%	<0.1%	CP2015
Total Ash	≤5.0 %	2.80%	GB 5009.4
Bulk Density	40~60 g/100mL	56.5g/100mL	GB/T 18798.5
Tap Density	60~90g/100mL	68.9 g/100mL	GB/T 18798.5
Extract Solvents	Water & Alcohol	Conforms	

Contaminants

Lead (Pb)	<1.0mg/kg	0.21mg/kg	ICP-MS
Arsenic (As)	<2.0mg/kg	0.20mg/kg	ICP-MS
Cadmium (Cd)	<1.0mg/kg	0.06mg/kg	ICP-MS
Mercury (Hg)	<0.1mg/kg	0.001mg/kg	ICP-MS
Solvents Residue	<5000 mg/kg		GC

Microbiological

Total Aerobic Count	≤ 1000cfu/g	110cfu/g	GB 4789.2
Yeast & Moulds	≤ 100cfu/g	10cfu/g	GB 4789.15
E-Coli	Negative	Conforms	GB 4789.3
Salmonella	Negative	Conforms	GB 4789.4
Staphylococcus Aureus	Negative	Conforms	GB 4789.10

Storage & Packing

Shelf Life:	3 years when properly stored.
Packing :	Packed in paper-drums and two plastic-bags inside.
Storage:	Store in cool & dry place, not freeze. Keep away from strong light.

Remarks: This product is natural, the color vary from batch to batch.

Tested by: 张丽娟

Checker: 李明

Approved:

