

Certificate of Analysis

Product Information			
Product Name	Quercetin Anhydrous	Manufacture Date	2022.12.26
Botanical Name	Sophorae Japonica L.	Analysis Date	2023.01.04
Used Part	Flos Sophorae bud	Release Date	2023.01.09
Batch Number	QAR221226	Expiry Date	2025.12.25
Batch Quantity	500KG		
Test items	Specifications	Result	Test Methods
Active Ingredients			
Quercetin	NLT98%	98.70%	UV
	NLT95%	96.00%	HPLC
Physical & Chemical Data			
Appearance	Yellow Granular	Conforms	Visual
Odor and Taste	Characteristic	Conforms	Organoleptic
Sieve analysis	100% pass through sieve #30mesh, less than 20% pass through sieve #80mesh	Conforms	Mesh Screen
Loss on Drying	≤5.0 %	3.18%	105°C/2 hrs
Reducing sugars	Not be detected	not detected	chemical reaction
Sulfate	≤1000ppm	<1000ppm	AJ192
Chloride	≤1000ppm	<1000ppm	AJ192
Ash	≤1.0 %	0.71%	GB 5009.4
Bulk Density	40~60 g/100mL	55.0g/100mL	GB/T 18798.5
Tap Density	60~90g/100mL	70.0 g/100mL	GB/T 18798.5
Contaminants			
Lead (Pb)	<1.0mg/kg	0.11mg/kg	ICP-MS
Arsenic (As)	<2.0mg/kg	0.07mg/kg	ICP-MS
Cadmium (Cd)	<1.0mg/kg	0.06mg/kg	ICP-MS
Mercury (Hg)	<0.1mg/kg	0.001mg/kg	ICP-MS
Microbiological			
Total Aerobic Count	≤ 1000cfu/g	20cfu/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:

