



SPECIFICATION

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Review By: Grace

Version No:02

Product name: Quercetin Dihydrate Granulated			
Botanical Name	Sophora japonica L.	Part	Flos Sophorae Bud
Origin	China	CAS number	6151-25-3
Solvent Used	Water& Ethanol		
Item	Standard		Analysis Method
Appearance	Yellow granular		Visual
Odor & Taste	Characteristic		Organoleptic
Typical Analysis			
Identification	Must positive		HPLC
Assay	≥95.0%		HPLC
Mesh Size	NLT 80% pass through30 mesh NMT 15% pass through 80 mesh		Particle Sieving
Loss on drying	≤12.0%		Karl Fischer
Reducing sugars	Negative		Chemical reaction
Sulphate	≤1000PPM		CP2020
Bulk Density	≥0.40g/ml		CP2020
Tapped Density	≥0.60g/ml		CP2020
Benzo(a)pyrene	≤10µg/kg		(EU) 2015/1933
PAH4	≤50µg/kg		(EU) 2015/1933
Heavy Metals			
Heavy metals	≤ 10ppm		ICP-MS
Arsenic (As)	≤ 1.0ppm		ICP-MS
Lead (Pb)	≤ 3.0ppm		ICP-MS
Cadmium (Cd)	≤ 1.0ppm		ICP-MS
Mercury (Hg)	≤ 0.1ppm		ICP-MS
Microorganism			
Total Plate Count	≤1000cfu/g		CP2020
Yeast and Mold	≤100cfu/g		CP2020
Escherichia Coli	Negative/10g		CP2020
Salmonella	Negative /25g		CP2020
Package	Packed In 25kgs/Drum		
Shelf life	3 Years When Properly Stored		
Storage	Store in a well-closed, light-resistant and protect from moisture.		