



SPECIFICATION

Created Date 2023.3.17

Review Date 2023.3.17

Review By: Grace

Version No:02

Product name: Quercetin Anhydrous 95% HPLC Granulated			
Botanical Name	Sophora japonica L.	Part	Flos Sophorae Bud
Origin	China	CAS number	117-39-5
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 90% pass through 20 mesh		Particle Sieving
Loss on drying	≤ 4.0%		Karl Fischer
Reducing sugars	Negative		Chemical reaction
Sulphate	≤ 1000PPM		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.		