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Certificate of Analysis

Product Name	Sophora Japonica Extract Quercetin 98%		
Latin Name	<i>Sophora Japonica L.</i>	Used Part	Bud
Production Date	2020-09-13	Batch No.	QH20200913
Expiry Date	2022-09-12	Report Date	2020-09-19
Original			
ITEMS	SPECIFICATIONS		RESULTS
Appearance	Yellow, crystalline powder		Complies
Odor & Tasted	Characteristic		Complies
Assay(anhydrous substance, %)	≥ 98.0 UV		99.3
Assay(anhydrous substance, %)	≥ 95.0 HPLC		95.7
Solubility	Practically insoluble in water		Complies
	Soluble in aqueous alkaline sol.		Complies
Loss on Drying(%)	≤10.0		6.2
Sulphated Ash(%)	≤0.5		0.05
Melting point(°C)	305~315		Complies
Particle size(%)	100% through 80 mesh sieves		Complies
Heavy Metals			
Heavy Metal (ppm)	≤20		Complies
Pb(ppm)	≤1.0		Complies
As(ppm)	≤1.0		Complies
Hg(ppm)	≤0.1		Complies
Cd(ppm)	≤1.0		Complies
Microbiological Tests			
Total Plate Count(cfu/g)	≤ 1000		Complies
Yeasts and Moulds(cfu/g)	≤ 100		Complies
E.coli (cfu/g)	Negative		Complies
Pseudomonas aeruginosa	Negative		Complies
Conclusion	Conform to the standard.		
Packing	25kg/drum		
Storage and Handling	Store in a cool and dry place, keep away from direct strong and heat.		
Shelf life	Two years if sealed and store away from direct sun light.		

QC: Li Ting

QA: Tian Wen

