



Certificate of Analysis 质量分析报告

Product Name	Quercetin Dihydrate	Manufacture Date	20221011
Part used	Flower	Report Date	20221012
Quality	750kgs	Batch No.	HJ51-221011
Solvents Used	Water&Ethanol	Expiration Date	20241010

ITEM	STANDARD	TEST RESULT	
Appearance	Yellow powder	Organoleptic	Conform
Odour	Characteristic	Organoleptic	Conform
Analytical Quality			
Identification	Identical to R.S. sample	HPLC	Identical
Assay	≥95.0%	HPLC	0.9552
Sieve analysis	100 % through 20 mesh	USP36<786>	Conform
Water	≤12.0%	Eur.Ph.7.0[2.5.12]	0.106
Sulphated Ash	≤0.5 %	Eur.Ph.7.0[2.4.16]	0.0023
Melting point	305-315°C	Melting point Apparatus	312°C
Bulk density	45~65g/100ml	Eur.Ph. <2.9.34>	54g/100ml
Tap density	55~80 g/100ml	Eur.Ph. <2.9.34>	g/100ml
Contaminants			
Heavy Metal	≤10.0 ppm	Eur.Ph.7.0 <2.2.58> ICP-MS	≤10.0ppm
Lead (Pb)	≤0.5 ppm	Eur.Ph.7.0 <2.2.58> ICP-MS	Conform
Arsenic (As)	≤1.0 ppm	Eur.Ph.7.0 <2.2.58> ICP-MS	Conform
Cadmium (Cd)	≤1.0 ppm	Eur.Ph.7.0 <2.2.58> ICP-MS	Conform
Mercury (Hg)	≤1.0 ppm	Eur.Ph.7.0 <2.2.58> ICP-MS	Conform
Solvents Residue	Meet Eur.Ph.7.0 <5.4>	Eur.Ph 7.0 <2.4.24>	Conform
Pesticides Residue	Meet USP Requirements	USP36<561>	Conform
Microbiological			
Total Plate Count	≤1000 cfu/g	USP<2021>	Conform
Yeast & Mold	≤100 cfu/g	USP<2021>	Conform
E.Coli.	Negative/g	USP<2021>	Conform
Salmonella	Negative /g	USP<2021>	Conform
Coliforms	Negative /g	USP<2022>	Conform
Packing and Storage	Inside: Double-deck plastic bag, Outside: Neutral cardboard barrel & Leave in the shady and cool dry place.		
Shelf Life	2 Year When Stored properly		
Expiration Date	2 Year When Stored properly		

QC. Manager: Gloria Yang

Checker: Li Wanqi

Analyst: HeWengfei