

HANGZHOU SUNCHEM TRADING CO., LTD.

Certificate of Analysis

Product Name: Quercetin Dihydrate CAS# 6151-25-3; Botanical source: Sophorae Japonica

Test Items	Specifications	Test Results	Test Methods
Description	Yellow powder	Complies	Visual
Identification	Must positive	Complies	HPLC
Mlting point	305°C---315°C	312°C	Melting point apparatus
Particle Size	95% pass through sieve 80 mesh	Complies	CP2020
Assay	≥95%	95.30%	HPLC
Reducing sugars	Not be detected	Not detected	Chemical reaction
Sulfate	≤1000ppm	<1000ppm	CP2020
Chloride	≤1000ppm	<1000ppm	CP2020
Bulk density	≥0.10gm/cc	0.20gm/cc	CP2020
Heavy Metals (as Pb)	≤10ppm	<10ppm	Colorimetry
Arsenic (as As)	≤1.0ppm	<1.0ppm	ICP-MS
*Mercury (as Hg)	≤0.1ppm	<0.1ppm	ICP-MS
*Cadmium (as Cd)	≤1.0ppm	<1.0ppm	ICP-MS
Lead (as Pb)	≤3.0ppm	<3.0ppm	ICP-MS
Sulfated ash	≤0.30%	0.04%	EP10.0
Water	≤12.0%	10.68%	Karl Fischer
Total aerobic microbial count	≤1000cfu/g	<10cfu/g	CP2020
Total moulds and yeasts count	≤100cfu/g	<10cfu/g	CP2020
*Escherichia coil	Negative./10g	Negative./10g	CP2020
*Salmonella	Negative./10g	Negative./10g	
*Coliforms	≤10cfu/g	<10cfu/g	
Residual Solvent	Meets the requirements of USP.		
Pesticide Screen	Meets the requirements of USP.		
GMO/BSE Status	Not genetically modified organism. Free of BSE		
Remarks: 1. Store in a tight container, in a cool dry area.			
2. conform with specification of CP2020.			

