

## Certificate Of Analysis

**Product Name:** Quercetin Dihydrate  
**Batch No.:** QD20220125  
**MFG. Date:** Jan.25,2022  
**Expiry Date:** Jan.24,2024  
**Botanical Source:** *Sophora Japonica L.*  
**Used Part:** Flower Buds  
**Extract Solvent:** Water& Ethanol  
**Non GMO**                      **BSE/TSE Free**                      **Non Irradiation**

ITEMS	SPECIFICATION	RESULTS	METHODS
<b>Assay Data</b>			
Assay	≥95%	95.64%	HPLC
<b>Quality Data</b>			
Appearance	Yellow powder	Conforms	Visual
Odor	Characteristics	Conforms	Organoleptic
Melting Point	305°C -315°C	312°C	USP <741>
Loss on Drying	≤12%	9.86%	USP <731>
Ash	≤0.5%	0.08%	USP <281>
Particle Size	95% Pass 80M	Conforms	USP <786>
Heavy Metals	≤10 ppm	Conforms	USP <231>
Lead(Pb)	≤3 ppm	Conforms	EP 7.0
Arsenic(As)	≤1 ppm	Conforms	EP 7.0
Cadmium(Cd)	≤1 ppm	Conforms	EP 7.0
Mercury(Hg)	≤0.1 ppm	Conforms	EP 7.0
<b>Microbiological Data</b>			
Total Plate Count	≤1000 cfu/g	Conforms	USP34 <61>
Molds and Yeast	≤100 cfu/g	Conforms	USP34 <61>
E.Coli	Negative	Conforms	USP34 <62>
Salmonella	Negative	Conforms	USP34 <62>
<b>Addition Data</b>			
Non Irradiation	≤700	Conforms	EN 13751:2002<PSL>
Packing	25kg/drum.		
Storage	Store in a cool dry place, avoiding sunlight directly.		
Shelf Life	24 months under the conditions above and in its original packing.		

Analyzed by Quality Assurance Center Lab. Dept. of Jianhe Biotech Co., Ltd

