

## Isoquercetin Certificate of Analysis

<b>Product name</b>	Isoquercetin	<b>Botanic Name</b>	<i>Sophorae japonica L.</i>
<b>Batch No.</b>	YHPS210304	<b>Manufacture Date</b>	2021/03/04
<b>Batch Quantity</b>	350kg	<b>Expiration Date</b>	2024/03/03
<b>Solvent Used</b>	Water	<b>Part Used</b>	<i>Flower</i>

ANALYSIS	SPECIFICATION	RESULTS	METHOD
<b>Physical&amp;Chemical</b>			
Assay	≥97%	97.45%	HPLC
<b>Related substances (Impurity by HPLC)</b>			
Rutin	≤2.0%	0.39%	HPLC
Quercetin	≤3.0%	0.37%	HPLC
Appearance	Yellow powder	Conforms	Visual
Identification (HPLC)	Must positive	Conforms	HPLC
Particle Size	95% through 80mesh	Conforms	US Screen
Loss on Drying	≤10.0%	3.79%	105 °C/4h
Sulphated ashes	≤0.30%	0.06%	EP
<b>Heavy Metals</b>			
Total Heavy Metals	≤20ppm	<20ppm	Colorimetry
Arsenic (As)	≤1ppm	<1ppm	ICP-MS
Lead (Pb)	≤3ppm	<3ppm	ICP-MS
Cadmium (Cd)	≤1ppm	<1ppm	ICP-MS
Mercury (Hg)	≤0.1ppm	<0.1ppm	ICP-MS
<b>Residue Solvent</b>	≤10ppm	<10ppm	HPLC
<b>Microbiology</b>			
Total Plate Count	≤10,000cfu/g	< 10cfu/g	CP2015
Total Yeast&Mold	≤100cfu/g	< 10cfu/g	CP2015
E.Coli	Negative	Negative	CP2015
Salmonella	Negative	Negative	CP2015

Storage            Store in Cool & dry place. Keep away from strong light and heat

Shelf Life        36 months if sealed and stored properly.

Tested by:           Wu Wenli          

Date:           2021-03-11