

CERTIFICATE OF ANALYSIS

Product Name:	Quercetin Dihydrate	Botanical Source:	Sophorae Japonica
Batch No.:	ZY20220916	Manufacture Date:	2022.09.16
Quantity:	760kg	Expired Date:	2024.09.15
Standard:	Enterprise Standard	Shelf life:	2years

Analysis Items	Specification	Result	Test Method
Assay,(%)	≥95.0%	96.32%	HPLC
Appearance	Yellow Powder	Complies	Visual
Melting point	305°C-315	313°C	Melting point apparatus
Reducing sugars	Not be detected	Not detected	Chemical reaction
Particle size	≥95% pass 80 mesh	Complies	Screen
Water	≤12%	10.5%	Karl Fischer
Bulk density	≥0.10gm/cc	0.14gm/cc	CP2015
Sulphated Ash	≤0.3%	0.12	EP9.0

Heavy metals

Heavy Metals	≤10mg/kg	<10mg/kg	Visual Colorimetry
Lead	≤2mg/kg	Complies	ICP-MS
Arsenic	≤2mg/kg	Complies	ICP-MS
Mercury	≤1mg/kg	Complies	ICP-MS
Cadmium	≤0.5mg/kg	Complies	ICP-MS

Microbiological

Total Plate Count	≤1000cfu/g	Complies	CP2015
Total Yeast&Mold	≤100cfu/g	Complies	CP2015
E.Coli	Negative	Negative	CP2015
Salmonella	Negative	Negative	CP2015

Conclusion: Conform to Specification

Packing: Packed in paper-drums and two plastic-bags inside

Storage: Store in a well-closed container away from moisture, direct light and heat.

Inspector: Liuqiang

Reexamining: Zhangguangchao

Verification: Miaoyu

