

QUERCETIN CERTIFICATE OF ANALYSIS

Product Name	Quercetin	Botanical Name	<i>Sophorae Japonica L.</i>
Use part	Flower	Country of Origin	China
Batch Number	20210117	Manufacture Date	Jan.16,2021
Quantity	200kg	Expiry Date	Jan.15,2023

ITEMS	STANDARD	RESULT
Appearance	Yellow, crystalline powder	Yellow, crystalline powder
Solubility	Practically insoluble in water	Complies
	Soluble in aqueous alkaline sol	Complies
Melting Point	305-315°C	310°C
Identification	Must positive	Complies
Loss on Drying	9.0% to 12.0%	9.8%
Sulphated Ash	≤0.5%	0.07%
Heavy Metal	≤10PPM	<10PPM
Mesh Size	100% pass 80 mesh	Complies
Cadmium	≤1 PPM	Not detected
Lead	≤3 PPM	0.03PPM
Mercury	≤0.1 PPM	0.03PPM
Arsenic	≤1 PPM	Not detected
Assay (on Dry Product)	≥98% (UV method) ≥95% (HPLC method)	Complies 96.5%
Total Plate Count	≤1000CFU/g	Complies
Yeast & Mould	≤100CFU/g	Complies
E. Coli	Absent	Absent
Salmonella	Absent	Absent
Storage	A cool & dry place protected from light, keep drum close when not in use	
Conclusion	Conform with standard	

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