

Certificate of Analysis

Product Name	Rutin	CAS No.	153-18-4
Botanical Source	Sophora Japonica L.	Mfg. Date	2022.01.25
Batch No.	KN3220125	Testing Date	2022.01.27
Batch Qty.	2800kg	Exp. Date	2024.01.24

Items	Specifications	Results
Appearance	Yellow or greenish-yellow crystalline powder	Greenish-yellow crystalline powder
Solubility	Practically insoluble in chloroform and ether, infinitesimally soluble in cool water, sparingly soluble in boiling ethanol and boiling water, dissolves in solution of alkali hydroxides.	Complies
Identification	A.B.C.	Complies
Mesh size	95% pass 80 mesh	Complies
Loss on drying	5.5-9.0%	8.12%
Residue on ignition	≤0.5%	0.36%
Impurity quercetin	≤5%	Complies
Red pigments	≤0.004%	Complies
Heavy Metals	≤20ppm	<10ppm
Assay by UV	95.0-101.5%	95.53%
Microbiological test		
Total Plate Count	≤1000cfu/g	<1000cfu/g
Total Yeast & Mold	≤100cfu/g	<100cfu/g
E.Coli.	Negative	Not detected
Salmonella	Negative	Not detected
Conclusion:	The product complies with Enterprise Standard.	

Analyzed by: Xu Ke

Checked by: Yang Jinbo

Issued by: Wang Jie