

BaseBulk

CERTIFICATE OF ANALYSIS

Product Name:	Sophora japonica extract (Quercetin 95%)
Latin Name:	Sophora Japonica L
Batch Number:	244-24060203
Manufacture Date:	2024-06-02
Expiry Date:	2027-06-01
Representative Quantity:	1000 kg

Physical Characteristics

Analysis Item	Specification	Result
Appearance	Light yellow to yellow green granules	Complies
Solubility	Practically insoluble in water	Complies
Soluble in alkaline solution	Soluble in aqueous alkaline sol	Complies
Loss on Drying	≤12.0%	7.81%
Ash	≤0.5%	0.10%
Loose Density	0.100–0.700 g/ml	0.5505 g/ml
Tapped Density	0.200–0.800 g/ml	0.6193 g/ml
Particle Size ≥20 mesh	≥95%	99.34%
Particle Size ≥40 mesh	≥15%	22.33%
Particle Size ≥60 mesh	≥10%	16.51%

Chemical Characteristics

Analysis Item	Specification	Result
Heavy Metals	≤10 ppm	Complies
Arsenic (As)	≤2 ppm	0.274 ppm
Lead (Pb)	≤2 ppm	0.588 ppm
Cadmium (Cd)	≤1 ppm	<0.05 ppm
Mercury (Hg)	≤0.1 ppm	<0.05 ppm
Solvent Residual	≤5000 ppm	Complies
Assay (Quercetin, dried basis)	≥95.0%	99.7%

Microbiological Tests

Analysis Item	Specification	Result
Total Plate Count	≤ 1000 CFU/g	<10 CFU/g
Yeast	≤ 100 CFU/g	<10 CFU/g
Mould	≤ 100 CFU/g	<10 CFU/g
Coliforms	≤ 0.92 MPN/g	Negative
Salmonella	Not detectable	Negative

Packaging: 25kg/drum with two food grade poly bags inside

Storage: Seal and store in a cool and dry place, avoiding direct sunlight

Shelf Life: Three years when properly stored