



Certificate of Analysis

Product Name:	Quercetin	Batch Number:	Varies
Botanical Name:	Sophora japonica	Manufacture Date:	Varies
Used part:	Buds	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Assay (UV)		$\geq 98\%$	98.03 - 98.8%
Physical	Appearance	Yellow crystalline powder	Complies
	Solubility	Practically insoluble in water, soluble in aqueous alkaline sol.	Complies
	Melting point	305 - 315°C	309 - 312°C
	Loss on drying	$\leq 0.5\%$ / 9 - 12%	0.07% / 9.8%
	Sulphated ash	$\leq 0.5\%$	0.2 - 0.25%
	Particle size	95% pass 20 - 60 mesh / 100% pass 80 mesh	Complies
Chemical	Heavy metals	≤ 10 ppm	Complies
	Lead (Pb)	$\leq 1 - 3$ ppm	Complies
	Arsenic (As)	≤ 1 ppm	Complies
	Cadmium (Cd)	≤ 1 ppm	Complies
	Mercury (Hg)	$\leq 0.1 - 1$ ppm	Complies
Microbial	Total Plate Count	$\leq 1000 - 10000$ cfu/g	Complies
	Yeast & Mold	$\leq 100 - 1000$ cfu/g	Complies
	E. Coli	Negative	Complies
	Pseudomonas Aeruginosa	Negative	Complies

Else	Storage condition	Sealed, kept in shady and dry place
	Shelf life	Three years

