



Certificate of Analysis

Product Name:	Griffonia Seed Extract	Batch Number:	Varies
Botanical Name:.	<i>Griffonia simplicifolia</i>	Manufacture Date:	Varies
Used part:	Seeds	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Assay (5-HTP)		> 99%	99.2 - 99.6%
Physical	Appearance	White to off-white powder	Complies
	Specific rotation	- 30.0° ~ - 35.0°	-32.5° ~ -32.7°
	PH	4.0 - 7.0	5.55 - 6.2
	Particle Size	98 - 100% pass 80 mesh	Complies
	Solubility	10 mg/mL	Complies
	Loss on drying	≤ 1%	0.1 - 0.26%
	Total impurity	≤ 0.5%	0.1%
Chemical	Total Heavy Metals	≤ 10 ppm	Complies
	Lead (Pb)	≤ 0.5 ppm	Complies
	Arsenic (As)	≤ 1 ppm	Complies
	Cadmium (Cd)	≤ 1 ppm	Complies
	Mercury (Hg)	≤ 0.3 ppm	Complies
Microbial	Total Plate Count	≤ 1000 cfu/g	Complies
	Yeast & Mold	≤ 100 cfu/g	Complies
	E. Coli, Salmonella,	Negative	Complies

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

