



Certificate of Analysis

Product Name:	Magnolia Bark Extract	Batch Number:	Varies
Botanical Name:	<i>Magnolia officinalis Rehd. et Wils.</i>	Manufacture Date:	Varies
Used part:	Bark	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Assay (HPCL)		Magnolol+Honokiol $\geq$ 80%	80.0 - 80.19%
Physical	Appearance	Off-White / Brown powder	Complies
	Odor & Taste	Characteristic	Complies
	Loss on drying	$\leq$ 5%	0.8 - 2.58%
	Total ash	$\leq$ 5%	0.7 - 3.16%
	Particle Size	100% pass 80 mesh	Complies
Chemical	Lead (Pb)	$\leq$ 2 ppm	Complies
	Arsenic (As)	$\leq$ 2 ppm	Complies
	Cadmium (Cd)	$\leq$ 2 ppm	Complies
	Mercury (Hg)	$\leq$ 0.5 - 1 ppm	Complies
Microbial	Total Plate Count	$\leq$ 3000 - 10000 cfu/g	Complies
	Yeast & Mold	$\leq$ 300 - 1000 cfu/g	Complies
	Coliforms	Negative	Complies
	Pathogenic bacteria	Negative	Complies

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

