



Certificate of Analysis

Product Name:	Jujube seed extract	Batch Number:	Varies
Botanical Name:	<i>Ziziphus jujube</i>	Manufacture Date:	Varies
Used part:	Seed	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Extract ratio		20:1 / 100:1 / ≥ 2% saponins	Complies 2.61%
Physical	Appearance	Brown / Brown red / Brown yellow powder	Complies
	Odor & Taste	Characteristic	Complies
	Particle Size	100% pass 80 mesh	Complies
	Loss on drying	≤ 5%	1.77 - 3.42%
	Total ash	≤ 5 - 10%	2.03 - 3.37%
Chemical	Heavy Metals	≤ 10 ppm	Complies
	Lead (Pb)	≤ 2 - 3 ppm	Complies
	Arsenic (As)	≤ 2 ppm	Complies
	Cadmium (Cd)	≤ 1 - 2 ppm	Complies
	Mercury (Hg)	≤ 0.1 - 1 ppm	Complies
Microbial	Total Plate Count	≤ 1000 - 10000 cfu/g	Complies
	Yeast & Mold	≤ 100 - 1000 cfu/g	Complies
	Coliforms, Pathogenic bacteria	Negative	Complies

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

