



Certificate of Analysis

Product Name:	Milk Thistle (Silymarin) Extract	Batch Number:	Varies
Botanical Name:	<i>Silybum marianum (L.)</i>	Manufacture Date:	Varies
Used part:	Seed	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION		RESULT
Assay (Silybin)		≥ 80%		80.1 - 84%
Physical	Appearance	Light yellow / Brown / Yellow to yellowish brown powder		Complies
	Odor & Taste	Characteristic		Complies
	Particle Size	100% pass 80 mesh		Complies
	Loss on drying	≤ 5%		3.1 - 3.68%
	Residue on Ignition	≤ 0.5%		Complies
	Residual solvent	N-hexane	≤ 290 - 300 ppm	Complies
		Acetone	≤ 5000 ppm	
		Methanol	≤ 100 - 3000 ppm	
Chemical	Heavy Metals	≤ 10 ppm		Complies
	Lead (Pb)	≤ 2 ppm		Complies
	Arsenic (As)	≤ 2 ppm		Complies
	Cadmium (Cd)	≤ 2 ppm		Complies
	Mercury (Hg)	≤ 0.5 ppm		Complies
Microbial	Total Plate Count	≤ 1000 - 3000 cfu/g		Complies
	Yeast & Mold	≤ 100 cfu/g		Complies
	E. Coli, Salmonella, Staphylococcus	Negative		Complies

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

