



SPECIFICATION

Created Date 2025.5.20

Review Date 2025.9.20

Version No:02

Product name: Milk Thistle Extract			
Botanical Name	<i>Silybum marianum (L.) Gaertn</i>	Part	Seeds
Origin	China	CAS number	65666-07-1
Solvent Used	Acetone		
Item	Standard		Analysis Method
Appearance	Yellow to Yellowish-Brown Powder		Visual
Odor & Taste	Characteristic		Organoleptic
Typical Analysis			
Identification	TLC		EP9.0
Silymarin	≥ 80%		HPLC
Particle Size	90% Through 80 mesh		USP38<786>
Loss on drying	≤ 5.0%		EP9.0(2.8.17)
Sulphated Ash	≤ 0.5%		EP9.0(2.4.14)
Solubility	3g dissolved in 100ml water		Visual
Residual Solvents	Acetone	≤ 5000ppm	EP9.0(5.4)
	N-hexane	≤ 290ppm	EP9.0(5.4)
	Ethanol	≤ 5000ppm	EP9.0(5.4)
Benzo(a)pyrene	≤ 10µg/kg		(EU) 2015/1933
PAH4	≤ 50µg/kg		(EU) 2015/1933
Heavy Metals			
Heavy metals	≤ 10ppm		EP9.0(2.4.27)
Arsenic (As)	≤ 1.0ppm		EP9.0(2.2.58)
Lead (Pb)	≤ 3.0ppm		EP9.0(2.2.58)
Cadmium (Cd)	≤ 1.0ppm		EP9.0(2.2.58)
Mercury (Hg)	≤ 0.1ppm		EP9.0(2.2.58)
Microorganism			
Total Plate Count	<1000cfu/g		EP9.0(2.2.58)
Yeast and Mold	<100cfu/g		EP9.0(2.2.58)
Escherichia Coli	Negative/10g		EP9.0(2.6.12)
Salmonella	Negative /25g		EP9.0(2.6.12)
Package	Packed In 25kgs/Drum		
Shelf life	3 Year When Properly Stored		
Storage	In Tight, Light-resistant and Dry Place. Avoid Direct Sunshine.		