

BaseBulk

CERTIFICATE OF ANALYSIS

Product Name	Milk Thistle Extract
Botanical Latin Name	Silybum marianum (L.) Gaertn
Part Used	Seeds
Manufacture Date	2024/06/16
Expire Date	2027/06/15
Batch Number	SM240618A
Country of Origin	China

Physical & Chemical Characteristics

Analysis Item	Specification	Result
Appearance	Yellow to yellowish brown powder	Conforms
Odor & Taste	Characteristic	Conforms
Assay (Silymarin)	≥80%	80.06%
Loss on drying	≤5.0%	1.67%
Residue on ignition	≤5.0%	0.28%
Mesh size	NLT 95% pass through 80 mesh	Conforms
Bulk density	≥0.30 g/ml	0.36 g/ml
Tapped density	≥0.50 g/ml	0.52 g/ml
Solvent residual	≤5,000 ppm	4,000 ppm
Residual hexane	≤290 ppm	3 ppm
Pesticides residue	Conform to (EC) No. 396/2005	Conforms
PAH4	≤50 ppb	Conforms
Benzo(a)pyrene	≤10 ppb	Conforms

Heavy Metals

Analysis Item	Specification	Result
Heavy Metals (Total)	≤10 ppm	<10 ppm
Lead (Pb)	≤3 ppm	<0.1 ppm
Arsenic (As)	≤1 ppm	<0.1 ppm
Cadmium (Cd)	≤1 ppm	<0.1 ppm
Mercury (Hg)	≤0.1 ppm	<0.1 ppm

Microbiological Tests

Analysis Item	Specification	Result
Total Plate Count	≤10,000 CFU/g	<10,000 CFU/g
Total Yeast & Mold	≤500 CFU/g	<500 CFU/g
E. coli	Negative	Conforms
Salmonella	Negative	Conforms