

CERTIFICATE OF ANALYSIS

Product Name	Milk Thistle Extract	Latin Name	<i>Silybum marianum (L.) Gaertn</i>
Batch No	PY-MT20190813	Used Part	Seed
Quantity	1000KG	Analysis Date	Aug.16,2019
Mfg. Date	Aug.13,2019	Exp. Date	Aug.12,2021

No.	Item	Specification	Result
1.	Appearance	Faint yellow or brown amorphous powder	Complies
2.	Odor & Taste	Characteristic	Complies
3.	Particle Size	100% pass 80 mesh	Complies
4.	Identification	The retention time of peak-peak which shows in the chromatogram of the solution should conform to that of Standard solution.	Complies
5.	Extract Solvent	Acetone	Complies
6.	Assay (by UV)	Silymarin \geq 80.0%	82.2%
7.	Loss on Drying	\leq 5.0%	3.8%
8.	Residue on Ignition	\leq 0.5%	0.1%
9.	Heavy Metals	\leq 10ppm	<10ppm
10.	Pb	\leq 3ppm	<1ppm
11.	As	\leq 1ppm	<1ppm
12.	Cd	\leq 1ppm	<1ppm
13.	Hg	\leq 0.1ppm	<0.1ppm
14.	Residual Solvents	Hexane \leq 290ppm Acetone \leq 5000ppm Ethyl Acetate \leq 5000ppm Methanol \leq 3000ppm Ethanol \leq 5000ppm	Complies Complies Complies Complies Complies
15.	Total Plate Count	\leq 1,000cfu/g	<1,000cfu/g
16.	Yeasts & Molds	\leq 100cfu/g	<100cfu/g
17.	E.Coli	Negative	Negative
18.	Salmonella	Negative	Negative

Store in tightly closed original container, protected from light, moisture, oxygen. Keep in a dry place at room temperature(25.0°C).

Package: Packed in paper-drums and two plastic-bags inside. N.W: 25kgs. I.D.35*H51cm

Non-GMO, TSE/BSE Free, Non-Irradiation, 100% Natural
Conclusion: Conform with the EP8.0 specification.

Analyst: xuli

QC: lixiaochen