

CERTIFICATE OF ANALYSIS

Product Name	Milk Thistle Extract	Latin Name	<i>Silybum marianum (L.) Gaertn</i>
Batch No	PY-MT20191019	Used Part	Seed
Quantity	1000KG	Analysis Date	Oct.22,2019
Mfg. Date	Oct.19,2019	Exp. Date	Oct.18,2021

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 HPLC)	<div> Silymarin calculated as dried Silybin 30%~65% 52.5% Silydianin & Silychristin/Silymarin 20%~45% 27.8% Silybin A & Silybin B/Silymarin 40%~65% 60.8% Isosilybin A & Isosilybin B/Silymarin 10%~20% 11.4% </div>	
7.	Assay (by UV)	Silymarin≥80.0%	84.7%
8.	Loss on Drying	≤5.0%	4.2%
9.	Residue on Ignition	≤0.5%	0.1%
10.	Heavy Metals	≤10ppm	<10ppm
11.	Pb	≤3ppm	<1ppm
12.	As	≤1ppm	<1ppm
13.	Cd	≤1ppm	<1ppm
14.	Hg	≤0.1ppm	<0.1ppm
15.	Residual Solvents	Hexane≤290ppm Acetone≤5000ppm Ethyl Acetate≤5000ppm Methanol≤3000ppm Ethanol≤5000ppm	Complies Complies Complies Complies Complies
16.	Total Plate Count	≤1,000cfu/g	<1,000cfu/g
17.	Yeasts & Molds	≤100cfu/g	<100cfu/g
18.	E.Coli	Negative	Negative
19.	Salmonella	Negative	Negative

Store in tightly closed original container, protected from light, moisture, oxygen. Keep in a dry place at room temperature(25.0℃).
Non-GMO, TSE/BSE Free, Non-Irradiation, 100% Natural
Package: Packed in paper-drums and two plastic-bags inside. N.W: 25kgs. I.D.35*H51cm
Conclusion: Conform with Enterprise Standard(According to EP8.0).

Analyst: xuli

QC: lixiaochen