

CERTIFICATE OF ANALYSIS

Product Name	Silymarin(Milk Thistle Extract)	Latin Name	<i>Silybum marianum (L.) Gaertn</i>
Batch No	PY-MT20190819	Used Part	Seeds
Quantity	1000KG	Analysis Date	Aug.22,2019
Mfg. Date	Aug.19,2019	Exp. Date	Aug.18,2022

No.	Item	Specification	Result
1.	Appearance	Faint yellow or brown amorphous powder	Complies
2.	Extraction Solvent	Acetone	
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.	Loss on Drying	≤5.0%	4.0%
6.	Ignition Residue	≤0.5%	0.1%
7.	Heavy Metals Lead Cadmium Mercury Arsenic	≤10ppm ≤0.5ppm ≤1.0ppm ≤0.1ppm ≤0.5ppm	Complies Complies Complies Complies Complies
8.	Assay of Silymarin (by UV)	≥80.0%	84.1%
9.	Silymarin calculated as Silybin (HPLC) Silychristin + Silidianine (HPLC) Silybin A + Silybin B (HPLC) Isosilybin A + Isosilybin B (HPLC)	30.0%~65.0% 20.0%~45.0% 40.0%~65.0% 10.0%~20.0%	42.1% 34.9% 51.1% 14.0%
10.	Residual Solvents	Hexane≤290ppm Acetone≤5000ppm Ethyl Acetate≤5000ppm Methanol≤3000ppm Ethanol≤5000ppm	12ppm 2961ppm ND 14ppm ND
11.	Pesticide Residues	USP 561	Complies
12.	Total Plate Count	≤1,000cfu/g	<1,000cfu/g
13.	Yeasts & Molds	≤100cfu/g	<100cfu/g
14.	E.Coli	Negative	Negative

15.	Salmonella	Negative	Negative
Store in tightly closed original container, protected from light, moisture, oxygen. Keep in a dry place at room temperature(25.0℃).			
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