



CERTIFICATE OF ANALYSIS

Product Name:	Silymarin	Botanical source:	Silybum marianum(L.)
Batch Number:	PBM230508	Used part:	Seeds
Batch Quantity:	680 KG	Analysis Date:	May 08, 2023
Manufacture Date:	May 08, 2023	Expire date	May 07, 2025

Parameters	Specification	Result
Description	Brownish-yellow powder, odorless	Complies
Identity -HPLC	Complies	Complies
Content- Spectrophotometric content of silymarin calculated in dried substance	≥80%	81.62%
Residual solvents		
- Total	NMT 1.0%	0.2%
- Ethanol	NMT 0.5%	0.1%
- Acetone	NMT 0.5%	<0.1%
- Total amount of other solvents	NMT 0.08%	0.02%
Assay		
-As sum of silybin and isosilybin (HPLC)	NLT 30%	33%
Heavy Metals		
As	≤ 3.0 ppm	1 ppm
Pb	≤ 8.0 ppm	3 ppm
Cd	≤ 0.5 ppm	negative
Hg	≤ 0.5 ppm	negative
Sum	≤ 20.0 ppm	4 ppm
Loss on drying	NMT 4.0%	1.5%
Total ash	NMT 2.0%	0.46%
Microbiological quality		
Total Plate Count	<1000 cfu/g	115 cfu/g
Yeast & Mold	<100 cfu/g	13 cfu/g
E.Coli.	Negative	Negative
Salmonella	Negative	Negative
Conclusion	Conform with specification	
Storage	Store in cool & Dry place,keep away from strong light and heat	

Quality Assurance Officer:



Corrector:

许明峰

Analyst:

方进武