

## CERTIFICATE OF ANALYSIS

**Product Name: Silymarin (Milk Thistle P.E.)**

Extraction Solvent: Acetone

Batch No.: 20260308

Quantity: 1000kg

Packing: 25kg Cardboard Drum

Manufacture Date: 10/03/2026

Expiry Date: 09/03/2029

No.	Test Items	Specification and Standards	Results
1	Appearance	Amorphous Powder	Conforms
2	Color	Yellow to Yellowish-Brown	Conforms
3	Odor	Slight, Specific	Conforms
4	Solubility		
	- in Water	Practically insoluble	Conforms
	- in Methanol and Acetone	Soluble	Conforms
5	Sulphated Ash	≤ 0.5%	0.2%
6	Heavy Metals	≤ 10 ppm	Conforms
7	Loss On Drying (2 Hours 105 °C)	≤ 5.0%	1.1%
8	Powder size		
	- Mesh 80	≥ 95%	Conforms
9	Assay of Silymarin (Test by UV)	≥ 80%	81.5%
	- Silybin A+B	≥ 30%	31.4%
10	Residual Solvents		
	- Acetone	≤ 5000 ppm	Conforms
	- N-Hexane	≤ 290 ppm	Conforms
11	Microbiological Quality (Total viable aerobic count)		
	- Total plate count	≤ 10 <sup>3</sup> CFU/g	Conforms
	- Mould & Yeasts	≤ 10 <sup>2</sup> CFU/g	Conforms
	- E. coli	Absent	Conforms
	- Salmonella	Absent	Conforms
12	Guarantee of Non-Irradiation		Qualified
13	<b>Conclusion: Conform</b>		

Storage: In Tight, Light -

direct sunshine.

Analyst: Samir Dasgupta

Date: 10/03/2026