



CERTIFICATE OF ANALYSIS

Product Name:	Silibinin	Botanical source:	Silybum marianum(L.)
Parameters	Specification		Result
Description	Off white powder		Complies
Identity -HPLC	Positive		Complies
Assay	NLT 98%		99.62%
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%
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	Ph. Eur. category 3A		
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.		
Shelf life	2 years when properly stored		

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