

No.: BPBE-644-B-00/3.0

CERTIFICATE OF ANALYSIS

Product Name	Silymarin	Code	BPBE-644-B
Botanical Source	Silybum marianum (L.) Gaertn	Used Part	Seed
Batch No.	H021264419B	Mfg. Date	Dec. 09, 2019
Packing	25kg/Drum	Retest Date	Dec. 08, 2021
Quantity	1000kg	Report Date	Dec. 14, 2019
Specification	Silymarin 80%(UV), Silybin+Isosilybin 30%(HPLC), extracted by Acetone		

ITEM	SPECIFICATION	RESULT
Appearance	Light Yellow to Yellow Amorphous Powder	Complies
Clarity and Color of Solution	Clarity in 1% Methanol	Complies
Identification	Positive reaction	Complies
Particle Size	NLT90% pass 80 mesh	Complies
Loss on drying	≤5.0%	2.66%
Sulphated Ash	≤5.0%	0.23%
Heavy Metals	≤10ppm	Complies
Residual Solvent		
Acetone	≤0.5%	0.16%
Other solvents	≤0.05%	0.010%
Assay:		
Silymarin(on dried basis, UV)	≥80.0%	80.85%
Silybin A+B +Isosilybin A+B(HPLC)	≥30.0%	31.26%
Total Plate Count	≤1000cfu/g	55cfu/g
-Yeast & Mold	≤100cfu/g	25cfu/g
-E.Coli	Negative	Negative
-Salmonella	Negative	Negative
Conclusion	Comply with the specification.	
Storage	Preserve in tight containers, protected from strong light and high heat.	

Analyst:

Reviewed by:

Approved by: