

Certificate of Analysis

General Information			
Botanical Name	Milk Thistle Extract	Latin Name	Silybum marianum (L.) Gaertn
Batch #	SFJ2021-11-01	Produce Date	2021-11-01
Analysis Date	2021-11-07	Expiry Date	2023-10-31
Representative QTY	1000 kg	Herbal Part Used	Seed
Item	Specification and Standards		Result
Physical Property			
Appearance	Amorphous Powder		Conforms
Color	Yellow to Yellowish-Brown		Conforms
Odour	Slight, Specific		Conforms
Powder size	Mesh 80 NLT 95%		Conforms
Assay of Silymarin (Tested by UV)	NLT 80%		85.3%
Assay of Silymarin (Tested by HPLC)			51.0%
-Silybin A.B.			30.0%
-Isosilybin A.B.			6.2%
-Silydianin&Silychristin			12.8%
Solubility			
- in Water	Practically Insoluble		Conforms
- in Methanol and Acetone	Soluble		Conforms
General Analysis			
Sulphated Ash	NMT 0.5%		0.01%
Heavy metals	NMT 10 PPM		1PPM
Loss On Drying (2 Hours 105 °C)	NMT 5.0%		3.2%

Residual Solvents		
- N-hexane	NMT 0.029%	0.001%
- Acetone	NMT 0.5%	0.02%
- Ethyl Acetate	NMT 0.5%	0.01%
- Ethanol	NMT 0.5%	0.01%
Microbiological		
- Total bacterial count	NMT 1,000 CFU/g	100CFU/g
- Moulds & Yeasts	NMT 100 CFU/g	10CFU/g
- Escherichia coli	Not detected	Conforms
- Salmonella species	Not detected	Conforms
Shelf Life	24 months under the conditions below, no antioxidant used	
Package&Storage	Standard packed in fiber-drum and two plastic bags inside	
	N.W: 25kgs. I.D. 35 x H51 cm;	
	Store in a cool, dry place away from Moisture, Light, Oxygen	
Manufacturer	Xi'an Sost Biotech Co.,Ltd.	

QC : Guo Shan

QA: Feng Li

