



# Xi'an DN Biology Co.,Ltd

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## Certificate of Analysis

Product Name	Silybin	Batch No.	DN-SFJB20211018
Botanical Source	<i>Silybum marianum L.</i>	Manufacturing Date	2021-10-18
Plant Part	Seeds	Expiration Date	2024-10-17

Item	Specification	Result	Method
<b>Assay</b>	Silybin 90%	90.19%	HPLC
<b>Physical &amp; Chemical Data</b>			
Appearance	Light Yellow Fine Powder	Conforms	Organoleptic
Odour & Taste	Characteristic	Conforms	
<b>Analytical Quality</b>			
Identification		Identical	TLC
Sieve	NLT 95% Through 80 mesh	Conforms	Mesh Screen
Extract Solvent	Acetone	Conforms	
Loss on Drying	≤5.0%	1.23%	CP2020
Ash	≤5.0%	2.16%	CP2020
Bulk Density	0.30~0.70g/ml	Conforms	CP2020
<b>Pesticide Residue</b>			
BHC	≤0.2ppm	Conforms	GC-MASS
DDT	≤0.2ppm	Conforms	GC-MASS
PCNB	≤0.1ppm	Conforms	GC-MASS
<b>Total Heavy Metals</b>	≤10ppm	Conforms	Colorimetry
Arsenic(As)	≤2ppm	Conforms	AAS
Lead(Pb)	≤2ppm	Conforms	AAS
Mercury(Hg)	≤0.1ppm	Conforms	AAS
Cadmium(Cd)	≤1ppm	Conforms	AAS
<b>Microbiological Tests</b>			
	Irradiation	Non irradiated	
Total Plate Count	≤1000cfu/g	≤10000cfu/g	Conforms CP2020
Yeast & Mold	≤100cfu/g	≤300cfu/g	Conforms CP2020
E.Coli	Negative	Negative	Negative CP2020
Salmonella	Negative	Negative	Negative CP2020
Staphylococcus	Negative	Negative	Negative CP2020
<b>Conclusion</b>	Conform with specification		

Storage Cool & dry place.Do not freeze.Keep away from strong light and heat.

Shelf Life 36 months under the conditions above and in its original packaging.

Package In double sealed PP bags, 10/25kgs Drum.

Tested by: Mr Chen Date: 2021-10-22