



西安绿泉科技有限公司

Xi'an Green Spring Technology Co., Ltd

Certificate of Analysis

Product Name	Milk Thistle Extract		
Latin Name	Silybum marianum. (L.)	Extraction Solvent	Acetone
Batch No.	180730	Manufacture Date	30 Jul,2018
Quantity	1000kg	Analysis Date	29Jul,2021
ITEMS SPECIFICATIONS RESULTS			
Appearance	Faint yellow or brown amorphous powder	Conforms	
Identification	The retention time of peak-peak which shows in the chromatogram of the solution should conform to that of Standard solution.	Conforms	
Assay by HPLC	Silymarin calculated as dried Silybin 30%~65%	33.3%	
Assay by HPLC	Silydianin & Silychristin/ Silymarin 20%~45%	52.6%	
Assay by HPLC	Silybin A & Silybin B/ Silymarin 40%~65%	27.4%	
Assay by HPLC	Isosilybin A & Isosilybin B/ Silymarin 10%~20%	20.0%	
Assay by UV	≥80%	80.8%	
Loss on Drying	≤5.0%	3.4%	
Ignition Residue	≤0.5%	0.1%	
Mesh Size	100% pass 80 mesh	Conforms	
Hexane Residue	≤290ppm	14	
Acetone Residue	≤5000ppm	1428	
Heavy metals	≤10ppm	Conforms	
As	≤1ppm	Conforms	
Pb	≤1ppm	Conforms	
Hg	≤0.1ppm	Conforms	
Cd	≤1ppm	Conforms	
Microbiological control			
Total plate count	≤1000cfu/g	Conforms	
Yeast & mold	≤100cfu/g	Conforms	
Escherichia coli	Negative	Negative	
Salmonella	Negative	Negative	
Storage:	Store in cool & dry place, keep away from strong light and heat		
Shelf life:	36 months when properly stored		

Approved by: (Quality Assurance)

