

Certificate of Analysis

Product Information

Product Name	Milk Thistle Seed Extract Powder	Report Number	MTL20210542
Botanical Name	Silybum marianum	Issue Date	2021.05.20
Used Part	Seed	Analysis Date	2021.05.25
Batch Number	MTL210520	Report Date	2021.05.30
Batch Quantity	500KG	Expiry Date	2024.05.19

Test items	Specifications	Test Results	Test Methods
------------	----------------	--------------	--------------

Active Ingredients

Extract Ratio	10:1	Conforms	TLC
---------------	------	----------	-----

Physical & Chemical Data

Appearance	Yellow Brown Fine Powder	Conforms	Visual
Odor and Taste	Characteristic	Conforms	Organoleptic
Sieve analysis	90% through 80 mesh	Conforms	80 Mesh Screen
Loss on Drying	≤5.0 %	2.82%	105℃/2 hrs
Total Ash	≤5.0 %	3.10%	GB 5009.4
Bulk Density	40~60 g/100mL	58.0g/100mL	GB/T 18798.5
Tap Density	60~90g/100mL	65.2 g/100mL	GB/T 18798.5

Contaminants

Lead (Pb)	<3.0mg/kg	0.27mg/kg	ICP-MS
Arsenic (As)	<2.0mg/kg	0.07mg/kg	ICP-MS
Cadmium (Cd)	<1.0mg/kg	0.06mg/kg	ICP-MS
Mercury (Hg)	<0.1mg/kg	0.001mg/kg	ICP-MS

Microbiological

Total Aerobic Count	≤ 1000cfu/g	50cfu/g	GB 4789.2
Yeast & Moulds	≤ 100cfu/g	10cfu/g	GB 4789.15
E-Coli	Negative	Conforms	GB 4789.3
Salmonella	Negative	Conforms	GB 4789.4
Staphylococcus Aureus	Negative	Conforms	GB 4789.10
CAS NO.	65666-07-1		

Storage & Packing

Shelf Life:	3 years when properly stored.
Packing :	Packed in paper-drums and two plastic-bags inside.
Storage:	Store in cool & dry place, not freeze. Keep away from strong light.

Remarks: This product is natural, the color vary from batch to batch.

Tested by: 张丽娟

Checker: 李明

Approved:

