

Certificate of Analysis

Product Name:	Milk Thistle Seed
Botanical Name:	<i>Silybum marianum (L.) Gaertn</i>
Plant Part Used:	Seeds
Extraction Solvent(s):	Acetone & Hexane
Extract Ratio:	25 - 30 : 1
Country of Origin:	China
Batch Number:	Varies
Manufacture Date:	Varies
Retest Date:	Varies

Test Results Obtained by PureBulk

ITEMS	SPECIFICATIONS	RESULTS
Silymarin (UV-Vis)	≥80%	82.77%
Silybin A & B (HPLC)	Report Only	56.83%
Isosilybin A & B (HPLC)	Report Only	9.95%
Arsenic	≤1.0 µg/g	0.0205 ppm
Cadmium	≤0.5 µg/g	<0.00500 ppm
Lead	≤1.0 µg/g	<0.00500 ppm
Mercury	≤0.5 µg/g	<0.00500 ppm
Aerobic Plate Count	≤1000 cfu/g	<20 cfu/g
Coliforms	≤100 cfu/g	<20 cfu/g
<i>E. Coli</i>	Absent	Absent
<i>Staph aureus</i>	Absent	Absent
Yeast & Mold	≤100 cfu/g	<20 cfu/g
<i>Salmonella</i>	Absent	Absent
<i>Pseudo. aeruginosa</i>	Absent	Absent
Conclusion (PureBulk):	This product conforms to standards	

The following information is an indirect translation of information provided from the Manufacturer's Certificate of Analysis, and should not be used solely as an instrument for strict quality control.

ITEMS	SPECIFICATIONS	RESULTS
Appearance	Yellowish-Brown Powder	Conforms
Odor	Characteristic	Conforms
Identification	Positive	Conforms
Powder Size	≥95% through 80 mesh	Conforms
Bulk Density	0.30 ~ 0.60 g/ml	0.47 g/ml
Tapped Density	0.50 ~ 0.80 g/ml	0.70 g/ml
Loss on Drying	≤5.0%	2.30%
Residue on Ignition	≤0.5%	0.24%
Residual Acetone	≤5000 µg/g	3400 µg/g
Residual Hexane	≤290 µg/g	16 µg/g
Pesticide Residue	USP<561>	Conforms
Aflatoxins	≤20 ppb	Not Detected
Conclusion (Manufacturer):	This product conforms to enterprise standards	

Additional Information: BSE/TSE Free || Allergen Free || Vegan/Vegetarian

Sterilization Method: Non-Irradiated || Non-EtO || Treat by Heat Only

GMO Statement: Non-GMO

Composition: Silymarin ≥80%
Silybins ≥30%

Storage Conditions: **Keep in sealed container under 25°C.**
Keep away from strong light, heat and moisture.

Purebulk.Inc verifies that the information contained herein is true and correct to the best of our knowledge.

Verified By: Candace Gibson / Nicole Rammage

(This document was produced electronically and is valid without signature.)