Certificate of Analysis

Milk thistle Extract | Silybum Marianum Fruit Extract
Product Code FL-SIM-SAMPLE-COA

SAMPLE CERTIFICATE OF ANALYSIS — not a shipped lot document.

This file shows the standard extract QC panel and representative passing results. **It is not tied to a production lot and must not be used as the certificate for any shipment.** Each order ships with a lot-specific COA. Specifications may be refined as additional batch data become available.

Product Identification

Product Name	Milk thistle Extract | Silybum Marianum Fruit Extract
INCI	Silybum Marianum Fruit Extract
CAS	See lot documentation
Product Code / SKU	FL-SIM-SAMPLE-COA
Lot Number	SAMPLE
Manufacture Date	Sample — not a production lot
Document Revision	0.1
Effective Date	May 20, 2026
Manufacturer	Formulate Labs, Inc. 1645 Headland Dr. Fenton, MO 63026
Quality Contact	quality@formulate.co *Lot issues, complaints, contamination concerns, out-of-spec materials, COA discrepancies.*
Regulatory Contact	regulatory@formulate.co *INCI, allergens, IFRA, Prop 65, vegan/natural claims, compliance documents, formulation-use questions.*
Adverse Effects Reporting	safety@formulatelabs.ai
Emergency Phone Number	888-999-2260

Sample certificate for Formulate Labs Silybum Marianum Fruit Extract aqueous extract stock. Hydroglycerin stocks ship preserved. Release tests are organoleptic, pH, TAMC < 100 CFU/g, and TYMC < 10 CFU/g. Total counts only — no individual pathogen screens.

Recommended cosmetic INCI (descending weight): *Silybum Marianum Fruit Extract*

Analytical Results

Aqueous extract release panel: organoleptic, pH, and total-count cosmetic microbiology (TAMC / TYMC). Individual pathogen screens, marker assays, heavy metals, pesticides, and residual solvents are not part of the standard extract release unless requested and quoted.

Characteristic	Specification	Measurement	Result
Appearance	Amber to brown aqueous fluid	Conforms	Pass
Odor	Characteristic mild botanical; no added fragrance	Conforms	Pass
Consistency	Pourable liquid	Conforms	Pass
pH (25 °C)	4.5 – 5.5	4.8	Pass
Total Aerobic Microbial Count (TAMC)	< 100 CFU/g	< 10 CFU/g	Pass
Total Yeast & Mold Count (TYMC)	< 10 CFU/g	< 10 CFU/g	Pass

Statement

This sample certificate illustrates the tests and acceptance criteria used for botanical extract stocks. Representative measurements are shown as conforming results. A production COA will carry the actual lot number, manufacture date, and measured values for the batch you receive.

Notes

Cosmetic raw material for professional formulation use only. This is not a standardized marker isolate. Marker assays, heavy metals, pesticides, residual solvents, and pathogen screens are not on the default extract panel. Not intended to diagnose, treat, cure, or prevent any disease. Finished-product manufacturers remain responsible for preservation efficacy, stability, labeling, and claims.

Accepted by: Quality Assurance, Formulate Labs, Inc.