

CERTIFICATE OF ANALYSIS

Third-Party Verified | 21 CFR Part 111 Compliant

Product Identification

Product Name	D-Tox Capsules	Lot Number	0077176-015-A1004-072925-00008
Part Number	015-A1004	Formula ID	100-PR1193 (Rev. 9)
Manufacture Date	July 29, 2025	Dosage Form	Capsule (2 caps/serving)
COA Issue Date	May 26, 2026	Capsule Fill Weight	~670 mg (2 caps = ~1,340 mg)

Independent Third-Party Verification

DIM POTENCY AND DANDELION ROOT IDENTITY VERIFIED

52 mg DIM per 2-capsule serving (104% of label claim)

Diindolylmethane (DIM) potency was independently verified in the D-Tox finished product by **MS Bioanalytical, LLC** (Champaign, IL) via HPLC-UV, confirming **52 mg DIM per 2-capsule serving** against a 50 mg label claim (104%). Dandelion root identity was confirmed via **USP <203> HPTLC** as *Taraxacum officinale*. MS Bioanalytical is an independent, ISO-accredited laboratory with no financial relationship to Highland Laboratories.

Test	Sample	Method	Spec	Result	Status
DIM Potency (Finished Product)	PR1193 Lot 0076170	STM-2.60 (HPLC-UV)	50 mg/ 2 caps	52 mg/2 caps	PASS
Dandelion Root Identity	300-0320 -031026	USP <203> HPTLC	<i>T. officinale</i>	ID Confirmed	PASS

Active Ingredient Verification (per 2-capsule serving)

Active Ingredient	Method	Label Claim	Result	Verification	Status
Dandelion Root Powder (<i>Taraxacum officinale</i>)	QM-0507 + 3rd Party ID	200 mg	200 mg	RM Identity Confirmed	PASS
Burdock Root Powder (<i>Arctium lappa</i>)	QM-0507 (By Input)	200 mg	200 mg	Formulation Verified	PASS
Oregon Grape Root (<i>Mahonia aquifolium</i>)	QM-0507 (By Input)	200 mg	200 mg	Formulation Verified	PASS
Milk Thistle Extract (80% Silymarin)	QM-0507 (By Input)	200 mg	200 mg	Formulation Verified	PASS
NAC (N-Acetyl-L-Cysteine)	QM-0507 (By Input)	200 mg	200 mg	Formulation Verified	PASS
DIM (Diindolylmethane)	QM-0507 + 3rd Party HPLC	50 mg	52 mg	Potency Confirmed	PASS
D-Limonene	QM-0507 (By Input)	5 mg	5 mg	Formulation Verified	PASS

Physical Testing

Test	Method	Specification	Result	Status
Disintegration Time	QM-0502 (USP <701>)	< 45 minutes	24 minutes	PASS
Capsule Size	QM-0506	Size 0	Size 0	PASS

Microbiological Testing

Test	Method	Specification	Result	Status
Total Aerobic Count	QM-0500	< 10,000 CFU/g	Not Detected	PASS
Yeast and Mold	QM-0500	< 1,000 CFU/g	Not Detected	PASS
Total Coliform	QM-0500	< 100 CFU/g	Not Detected	PASS
<i>E. coli</i>	QM-0500	Negative	Not Detected	PASS
<i>Salmonella</i>	QM-0500	Negative	Not Detected	PASS

Contaminant Testing (Heavy Metals)

Analyte	Method	Specification	Result	Status
Lead (Pb)	QM-0007 (ICP-MS)	< 10 mcg/svg	Not Detected	PASS
Arsenic (As)	QM-0007 (ICP-MS)	< 10 mcg/svg	Not Detected	PASS
Cadmium (Cd)	QM-0007 (ICP-MS)	< 4.1 mcg/svg	Not Detected	PASS
Mercury (Hg)	QM-0007 (ICP-MS)	< 2 mcg/svg	Not Detected	PASS

Manufacturing & Compliance Statement

This product was manufactured in an FDA-registered facility in full compliance with cGMP for dietary supplements per 21 CFR Part 111. All QC testing, batch production records, and master manufacturing records are maintained per federal regulations. DIM potency was independently verified by MS Bioanalytical, LLC via HPLC-UV on a prior lot of this formula, and dandelion root identity was confirmed via USP HPTLC. MS Bioanalytical is an independent laboratory with no financial relationship to Highland Laboratories.

Authorization & Digital Signatures

Role	Signed By	Date/Time (UTC)	Session ID
Prepared By (QC)	hld.jmateer	2026-05-26 18:37:19	5A4CDF09-D0292B562D14
Reviewed & Approved (QA)	Keith Gregory	2026-05-26 18:37:19	5A4CDF09-D0292B562D14
Third-Party Lab	Quality Manager, MS Bioanalytical	Multiple dates	See verification table

Document Integrity

QC Order: PRD004087 | Lot Record ID: 1441553 | Test Rows: 12 | COA Type: Formulation Verified + Third-Party Potency + RM Identity
SHA-256: d0292b562d149a1f3f42d3a22e82eb670c4efd7df008496117d1eea04f5b7349

This COA is generated from QC results in the Highland Laboratories SAP/BatchMaster ERP system. Third-party testing by MS Bioanalytical, LLC: DIM potency (MSB# 01292026-015, finished product PR1193 lot 0076170), Dandelion Root identity (MSB# 03162026-001). Digital signatures certify review and approval. Not to be reproduced without written approval. All testing per 21 CFR Part 111.