Certificate of Analysis

Sample Name: Mit45
Client: Diversified Botanics
Sample Code: DTS-260901-029
Matrix Name: Tincture - Water-Based
Type / Result: Batch Release - Within Spec

cambium analytica
an NSF company



Received Date: Thu, Sep 3, 2026
Published Date: Thu, Sep 10, 2026
Batch/Lot Code: H1926543
Batch Size: N/A
Sample Size: 1U
Average Unit Weight: 17.805g (Density (g/mL) x 15mL package. 5 servings/package)

RESULT SUMMARY

Mitragynine	26.20 mg /serv
Total Major Alkaloids	38.63 mg /serv

ALKU — Kratom Alkaloids — High Level
ALKL — Kratom Alkaloids — Low Level
SAL — Salmonella spp. — qPCR
ECOLI — Total Coliforms & E. coli — Plate
PGUSP ✓ — Pesticides — USP <561>m
PLUSP ✓ — Pesticides — USP <561>m
TAMC — Total Aerobic Bacteria — Plate
DEN — Density of Liquids
SAUR — Staphylococcus aureus — Plate
AWA — Water Activity
HVMET — Heavy Metals — Big 4
TYMFD — Total Yeast & Mold — Plate
FTIRR — Identification by FTIR — Report
SOLHM — Residual Solvents — National Panel

Approvals

RESULTS REVIEWED BY:
Leslie Nagy
Laboratory Director
Cambium Analytica
Thursday, Sep 10, 2026

RESULTS CERTIFIED BY:
Douglas Smith
VP - Scientific Operations
Cambium Analytica
Thursday, Sep 10, 2026

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Lab Information

Address: 1230 Woodmere Ave, Traverse City, MI 49686 **Phone:** 231.252.3669 **Accreditation:** ISO/IEC 17025:2017 – #108157

ALKU

Kratom Alkaloids - High Level

LAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-260901-029-03 - THU, SEP 10, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.7358 %	7.3580 mg/g	26.20 mg	131.01 mg	N/A	0.0524 mg/g	0.1049 mg/g	N/A
Paynantheine	0.1337 %	1.3370 mg/g	4.76 mg	23.80 mg	N/A	0.0524 mg/g	0.1049 mg/g	N/A
Speciociliatine	0.1212 %	1.2118 mg/g	4.32 mg	21.58 mg	N/A	0.0524 mg/g	0.1049 mg/g	N/A
Speciogynine	0.0942 %	0.9415 mg/g	3.35 mg	16.76 mg	N/A	0.0524 mg/g	0.1049 mg/g	N/A
Total Major Alkaloids *	1.0848 %	10.8483 mg/g	38.63 mg	193.15 mg	N/A	N/A	N/A	N/A

* Total Major Alkaloids is calculated as the sum of Mitragynine, Paynantheine, Speciociliatine and Speciogynine.

ALKL

Kratom Alkaloids - Low Level

LAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ
ALKL-DTS-260901-029-01 - MON, SEP 7, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00015 %	0.00154 mg/g	0.01 mg	0.03 mg	N/A	0.08152 ug/g	0.40762 ug/g	N/A
Mitraphylline	ND	N/A	N/A	N/A	N/A	0.08152 ug/g	0.40762 ug/g	N/A
Total Minor Alkaloids *	0.00015 %	0.00154 mg/g	0.01 mg	0.03 mg	N/A	N/A	N/A	N/A

* Total Minor Alkaloids is calculated as the sum of 7-Hydroxymitragynine and Mitraphylline.

SAL

Salmonella spp. - qPCR - 25 g

LAB-TM-063 - Qualitative Detection of Presumptive Salmonella spp. in Foods and Dietary Supplements
SAL-DTS-260901-029-01 - TUE, SEP 8, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Salmonella spp.	ND /25 g	Detection	N/A	N/A	WITHIN SPEC

USP <62> - Vendor Modified, USP <2022> - Vendor Modified, USP <1223>, AOAC PTM 121802, AOAC OMA 2020.02

ECOLI

Total Coliforms & E. coli - Plate - 25 g - Full Range

LAB-TM-059 - Enumeration of Escherichia coli and Total Coliform in Foods and Dietary Supplements
ECOLI-DTS-260901-029-01 - TUE, SEP 8, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
E. coli	ND	Detection	10 CFU/g	10 CFU/g	WITHIN SPEC
Total Coliforms	ND	1000 CFU/g	10 CFU/g	10 CFU/g	WITHIN SPEC

USP <61> - Vendor Modified, USP <2021> - Vendor Modified, USP <1223>, AOAC PTM 051801, AOAC OMA 2018.13

PGUSP

Pesticides - USP <561>m - GC/TQ

LAB-TM-039 - USP 561 Pesticides Analysis in Articles of Botanical Origin by GC/TQ

PGUSP-DTS-260901-029-01 - WED, SEP 9, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Aldrin	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
alpha-Endosulfan	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
alpha-Hexachlorocyclohexane	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
beta-Endosulfan	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
beta-Hexachlorocyclohexane	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
Bromophos-ethyl	ND	0.05 ug/g	0.003 ug/g	0.005 ug/g	PASS
Bromophos-methyl	ND	0.05 ug/g	0.003 ug/g	0.005 ug/g	PASS
Bromopropylate	ND	3 ug/g	0.003 ug/g	0.005 ug/g	PASS
Chlorpyriphos-methyl	ND	0.1 ug/g	0.003 ug/g	0.005 ug/g	PASS
Chlorthal-dimethyl	ND	0.01 ug/g	0.003 ug/g	0.005 ug/g	PASS
cis-Chlordane	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
cis-Heptachlorepoxide	ND	N/A	0.005 ug/g	0.010 ug/g	N/A
Cyfluthrin	ND	0.1 ug/g	0.003 ug/g	0.005 ug/g	PASS
delta-Hexachlorocyclohexane	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
Dichlofluanid	ND	0.1 ug/g	0.003 ug/g	0.005 ug/g	PASS
Dieldrin	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
Endosulfan Sulfate	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
Endrin	ND	0.05 ug/g	0.003 ug/g	0.006 ug/g	PASS
epsilon-Hexachlorocyclohexane	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
Fenchlorophos	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
Fenchlorophos-oxon	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
Fenitrothion	ND	0.5 ug/g	0.003 ug/g	0.005 ug/g	PASS
Fenvalerate	ND	1.5 ug/g	0.003 ug/g	0.005 ug/g	PASS
Heptachlor	ND	N/A	0.005 ug/g	0.010 ug/g	N/A
Hexachlorobenzene	ND	0.1 ug/g	0.003 ug/g	0.005 ug/g	PASS
Lindane (gamma-Hexachlorocyclohexane)	ND	0.6 ug/g	0.003 ug/g	0.005 ug/g	PASS
Methacriphos	ND	0.05 ug/g	0.013 ug/g	0.027 ug/g	PASS
Methylpentachlorphenyl Sulfide	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
Mirex	ND	0.01 ug/g	0.003 ug/g	0.005 ug/g	PASS
n-Desethyl-Pirimiphos-Methyl	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
o,p'-DDE	ND	N/A	0.003 ug/g	0.005 ug/g	N/A

* Total Chlordanes is calculated as the sum of cis-Chlordane, trans-Chlordane, and Oxychlordane.

* Total DDTs is calculated as the sum of o,p'-DDE, p,p'-DDE, o,p'-DDT, p,p'-DDT, o,p'-TDE, and p,p'-TDE.

* Total Endosulfans is calculated as the sum of alpha-Endosulfan, beta-Endosulfan, and Endosulfan Sulfate.

* Total Fenchlorophos is calculated as the sum of Fenchlorophos and Fencholorophos-oxon.

* Total Heptachlors is calculated as the sum of Heptachlor, cis-Heptachlorepoxide, and trans-Heptachlorepoxide.

* Total Hexachlorocyclohexanes is calculated as the sum of alpha-Hexachlorocyclohexane, beta-Hexachlorocyclohexane, delta-Hexachlorocyclohexane, and epsilon-Hexachlorocyclohexane.

* Total Quintozenes is calculated as the sum of Pentachloronitrobenzene (Quintozene), Pentachloroaniline, and Methylpentachlorphenyl Sulfide.

USP <561>

PGUSP

Pesticides - USP <561>m - GC/TQ

LAB-TM-039 - USP 561 Pesticides Analysis in Articles of Botanical Origin by GC/TQ

PGUSP-DTS-260901-029-01 - WED, SEP 9, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
o,p'-DDT	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
o,p'-TDE	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
Oxychlordane	ND	N/A	0.005 ug/g	0.010 ug/g	N/A
p,p'-DDE	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
p,p'-DDT	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
p,p'-Dicofol	ND	0.5 ug/g	0.003 ug/g	0.005 ug/g	PASS
p,p'-Methoxychlor	ND	0.05 ug/g	0.003 ug/g	0.005 ug/g	PASS
p,p'-TDE	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
Paraoxon-ethyl	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
Paraoxon-methyl	ND	N/A	0.005 ug/g	0.010 ug/g	N/A
Parathion-ethyl	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
Parathion-methyl	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
Pentachloroaniline	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
Pentachloroanisole	ND	0.01 ug/g	0.003 ug/g	0.005 ug/g	PASS
Pentachloronitrobenzene (Quintozene)	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
Procymidone	ND	0.1 ug/g	0.003 ug/g	0.005 ug/g	PASS
S-421	ND	0.02 ug/g	0.003 ug/g	0.005 ug/g	PASS
tau-Fluvalinate	ND	0.05 ug/g	0.003 ug/g	0.005 ug/g	PASS
Tecnazene	ND	0.05 ug/g	0.003 ug/g	0.005 ug/g	PASS
Tetradifon	ND	0.3 ug/g	0.003 ug/g	0.005 ug/g	PASS
trans-Chlordane	ND	N/A	0.003 ug/g	0.005 ug/g	N/A
trans-Heptachlorepoxide	ND	N/A	0.009 ug/g	0.017 ug/g	N/A
Vinclozolin	ND	0.4 ug/g	0.003 ug/g	0.005 ug/g	PASS
Aldrin + Dieldrin	0.000 ug/g	0.05 ug/g	N/A	N/A	PASS
Parathion-ethyl + Paraoxon-ethyl	0.000 ug/g	0.5 ug/g	N/A	N/A	PASS
Parathion-methyl + Paraoxon-methyl	0.000 ug/g	0.2 ug/g	N/A	N/A	PASS
Pirimiphos-Methyl + n-Desethyl-Pirimiphos-Methyl	0.000 ug/g	4 ug/g	N/A	N/A	PASS
Total Chlordanes - USP *	0.000 ug/g	0.05 ug/g	N/A	N/A	PASS
Total DDTs *	0.000 ug/g	1 ug/g	N/A	N/A	PASS
Total Endosulfans *	0.000 ug/g	3 ug/g	N/A	N/A	PASS
Total Fenchlorophos *	0.000 ug/g	0.1 ug/g	N/A	N/A	PASS

* Total Chlordanes is calculated as the sum of cis-Chlordane, trans-Chlordane, and Oxychlordane.

* Total DDTs is calculated as the sum of o,p'-DDE, p,p'-DDE, o,p'-DDT, p,p'-DDT, o,p'-TDE, and p,p'-TDE.

* Total Endosulfans is calculated as the sum of alpha-Endosulfan, beta-Endosulfan, and Endosulfan Sulfate.

* Total Fenchlorophos is calculated as the sum of Fenchlorophos and Fencholorophos-oxon.

* Total Heptachlors is calculated as the sum of Heptachlor, cis-Heptachlorepoxide, and trans-Heptachlorepoxide.

* Total Hexachlorocyclohexanes is calculated as the sum of alpha-Hexachlorocyclohexane, beta-Hexachlorocyclohexane, delta-Hexachlorocyclohexane, and epsilon-Hexachlorocyclohexane.

* Total Quintozenes is calculated as the sum of Pentachloronitrobenzene (Quintozene), Pentachloroaniline, and Methylpentachlorphenyl Sulfide.

USP <561>

PGUSP

Pesticides - USP <561>m - GC/TQ

LAB-TM-039 - USP 561 Pesticides Analysis in Articles of Botanical Origin by GC/TQ

PGUSP-DTS-260901-029-01 - WED, SEP 9, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Heptachlors *	0.000 ug/g	0.05 ug/g	N/A	N/A	PASS
Total Hexachlorocyclohexanes *	0.000 ug/g	0.3 ug/g	N/A	N/A	PASS
Total Quintozenes *	0.000 ug/g	1 ug/g	N/A	N/A	PASS

* Total Chlordanes is calculated as the sum of cis-Chlordane, trans-Chlordane, and Oxychlordane.

* Total DDTs is calculated as the sum of o,p'-DDE, p,p'-DDE, o,p'-DDT, p,p'-DDT, o,p'-TDE, and p,p'-TDE.

* Total Endosulfans is calculated as the sum of alpha-Endosulfan, beta-Endosulfan, and Endosulfan Sulfate.

* Total Fenchlorophos is calculated as the sum of Fenchlorophos and Fencholorophos-oxon.

* Total Heptachlors is calculated as the sum of Heptachlor, cis-Heptachlorepoxide, and trans-Heptachlorepoxide.

* Total Hexachlorocyclohexanes is calculated as the sum of alpha-Hexachlorocyclohexane, beta-Hexachlorocyclohexane, delta-Hexachlorocyclohexane, and epsilon-Hexachlorocyclohexane.

* Total Quintozenes is calculated as the sum of Pentachloronitrobenzene (Quintozene), Pentachloroaniline, and Methylpentachlorphenyl Sulfide.

USP <561>

PLUSP

Pesticides - USP <561>m - LC/TQ

LAB-TM-038 - USP 561 Pesticide Analysis in Articles of Botanical Origin by LC/TQ

PLUSP-DTS-260901-029-01 - WED, SEP 9, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Acephate	ND	0.1 ug/g	0.012 ug/g	0.025 ug/g	PASS
Alachlor	ND	0.05 ug/g	0.012 ug/g	0.025 ug/g	PASS
Azinphos-ethyl	ND	0.1 ug/g	0.012 ug/g	0.025 ug/g	PASS
Azinphos-methyl	ND	1 ug/g	0.012 ug/g	0.025 ug/g	PASS
Chlorfenvinphos	ND	0.5 ug/g	0.012 ug/g	0.025 ug/g	PASS
Chlorpyriphos-ethyl	ND	0.2 ug/g	0.012 ug/g	0.025 ug/g	PASS
Cypermethrin	ND	1 ug/g	0.025 ug/g	0.125 ug/g	PASS
Deltamethrin	ND	0.5 ug/g	0.012 ug/g	0.025 ug/g	PASS
Diazinon	ND	0.5 ug/g	0.012 ug/g	0.025 ug/g	PASS
Dichlorvos	ND	1 ug/g	0.012 ug/g	0.025 ug/g	PASS
Dimethoate	ND	N/A	0.012 ug/g	0.025 ug/g	N/A
Ethion	ND	2 ug/g	0.012 ug/g	0.025 ug/g	PASS
Etrimphos	ND	0.05 ug/g	0.012 ug/g	0.025 ug/g	PASS
Fenpropathrin	ND	0.03 ug/g	0.012 ug/g	0.025 ug/g	PASS
Fensulfothion	ND	N/A	0.025 ug/g	0.050 ug/g	N/A
Fensulfothion Oxon	ND	N/A	0.012 ug/g	0.025 ug/g	N/A
Fensulfothion Oxonsulfone	ND	N/A	0.012 ug/g	0.025 ug/g	N/A
Fensulfothion Sulfone	ND	N/A	0.012 ug/g	0.025 ug/g	N/A
Fenthion	ND	N/A	0.012 ug/g	0.025 ug/g	N/A
Fenthion Oxon	ND	N/A	0.012 ug/g	0.025 ug/g	N/A
Fenthion Oxon Sulfone	ND	N/A	0.012 ug/g	0.025 ug/g	N/A
Fenthion Oxon Sulfoxide	ND	N/A	0.012 ug/g	0.025 ug/g	N/A
Fenthion Sulfone	ND	N/A	0.012 ug/g	0.025 ug/g	N/A
Fenthion Sulfoxide	ND	N/A	0.012 ug/g	0.025 ug/g	N/A
Flucythrinate	ND	0.05 ug/g	0.025 ug/g	0.050 ug/g	PASS
Fonophos	ND	0.05 ug/g	0.012 ug/g	0.025 ug/g	PASS
lambda-Cyhalothrin	ND	1 ug/g	0.025 ug/g	0.125 ug/g	PASS
Malaoxon	ND	N/A	0.012 ug/g	0.025 ug/g	N/A
Malathion	ND	N/A	0.012 ug/g	0.025 ug/g	N/A
Mecarbam	ND	0.05 ug/g	0.012 ug/g	0.025 ug/g	PASS
Methamidophos	ND	0.05 ug/g	0.012 ug/g	0.025 ug/g	PASS
Methidathion	ND	0.2 ug/g	0.012 ug/g	0.025 ug/g	PASS

* Permethrin is reported as the sum of cis and trans isomers.

* Total Fensulfothions is calculated as the sum of Fensulfothion, Fensulfothion Oxon, Fensulfothion Oxonsulfone, and Fensulfothion Sulfone.

* Total Fenthions is calculated as the sum of Fenthion, Fenthion Oxon, Fenthion Oxon Sulfone, Fenthion Oxon Sulfoxide, Fenthion Sulfone, and Fenthion Sulfoxide.

* Total Pyrethrins is calculated as the sum of Cinerin I, Cinerin II, Jasmolin I, Jasmolin II, Pyrethrin I, and Pyrethrin II.

USP <561>

PLUSP

Pesticides - USP <561>m - LC/TQ

LAB-TM-038 - USP 561 Pesticide Analysis in Articles of Botanical Origin by LC/TQ
PLUSP-DTS-260901-029-01 - WED, SEP 9, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Monocrotophos	ND	0.1 ug/g	0.012 ug/g	0.025 ug/g	PASS
Omethoate	ND	N/A	0.012 ug/g	0.025 ug/g	N/A
Pendimethalin	ND	0.1 ug/g	0.012 ug/g	0.025 ug/g	PASS
Permethrin *	ND	1 ug/g	0.012 ug/g	0.025 ug/g	PASS
Phosalone	ND	0.1 ug/g	0.012 ug/g	0.025 ug/g	PASS
Phosmet	ND	0.05 ug/g	0.012 ug/g	0.025 ug/g	PASS
Piperonyl Butoxide	ND	3 ug/g	0.012 ug/g	0.025 ug/g	PASS
Pirimiphos-ethyl	ND	0.05 ug/g	0.012 ug/g	0.025 ug/g	PASS
Pirimiphos-methyl	ND	4 ug/g	0.012 ug/g	0.025 ug/g	PASS
Profenophos	ND	0.1 ug/g	0.012 ug/g	0.025 ug/g	PASS
Prothiophos	ND	0.05 ug/g	0.025 ug/g	0.050 ug/g	PASS
Pyrethrins Cinerin I	ND	N/A	0.004 ug/g	0.008 ug/g	N/A
Pyrethrins Cinerin II	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Pyrethrins Jasmolin I	ND	N/A	0.000 ug/g	0.002 ug/g	N/A
Pyrethrins Jasmolin II	ND	N/A	0.001 ug/g	0.002 ug/g	N/A
Pyrethrins Pyrethrin I	ND	N/A	0.007 ug/g	0.034 ug/g	N/A
Pyrethrins Pyrethrin II	ND	N/A	0.003 ug/g	0.016 ug/g	N/A
Quinalphos	ND	0.05 ug/g	0.012 ug/g	0.025 ug/g	PASS
Dimethoate + Omethoate	0.000 ug/g	0.1 ug/g	N/A	N/A	PASS
Malathion + Malaoxon	0.000 ug/g	1 ug/g	N/A	N/A	PASS
Total Fensulfothions *	0.000 ug/g	0.05 ug/g	N/A	N/A	PASS
Total Fenthions *	0.000 ug/g	0.05 ug/g	N/A	N/A	PASS
Total Pyrethrins *	0.000 ug/g	3 ug/g	N/A	N/A	PASS

* Permethrin is reported as the sum of cis and trans isomers.

* Total Fensulfothions is calculated as the sum of Fensulfothion, Fensulfothion Oxon, Fensulfothion Oxonsulfone, and Fensulfothion Sulfone.

* Total Fenthions is calculated as the sum of Fenthion, Fenthion Oxon, Fenthion Oxon Sulfone, Fenthion Oxon Sulfoxide, Fenthion Sulfone, and Fenthion Sulfoxide.

* Total Pyrethrins is calculated as the sum of Cinerin I, Cinerin II, Jasmolin I, Jasmolin II, Pyrethrin I, and Pyrethrin II.

USP <561>

TAMC

Total Aerobic Bacteria - Plate - 25 g - Full Range

LAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements

TAMC-DTS-260901-029-01 - TUE, SEP 8, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Aerobic Count	ND	10000 CFU/g	10 CFU/g	10 CFU/g	WITHIN SPEC

USP <61> - Vendor Modified, USP <1223>, AOAC PTM 121403, AOAC OMA 2015.13

DEN

Density of Liquids

LAB-TM-017 - Brix & Density Analysis

DEN-DTS-260901-029-01 - FRI, SEP 4, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.1870 g/mL	1.17 - 1.21 g/mL	N/A	N/A	WITHIN SPEC
Specific Gravity *	1.1891	N/A	N/A	N/A	N/A

* Specific gravity is calculated using the density of water at 20 °C (0.9982 g/mL) using the equation: [Specific Gravity = (Density of sample in g/mL) ÷ 0.9982 g/mL]

SAUR

Staphylococcus aureus - Plate - 25 g

LAB-TM-062 - Enumeration of Staphylococcus aureus in Foods and Dietary Supplements

SAUR-DTS-260901-029-01 - TUE, SEP 8, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
S. aureus	ND	Detection	10 CFU/g	10 CFU/g	WITHIN SPEC

USP <61> - Vendor Modified, USP <2021> - Vendor Modified, USP <1223>, AOAC OMA 2003.07

AWA

Water Activity

LAB-TM-009 - Determination of Water Activity

AWA-DTS-260901-029-01 - TUE, SEP 8, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Water Activity	0.611 aw	0.84 aw	N/A	N/A	WITHIN SPEC

USP <922>

HVMET

Heavy Metals - Big 4

LAB-TM-044 - Determination of Heavy Metals by ICP-MS

HVMET-DTS-260901-029-01 - WED, SEP 9, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	ND	N/A	N/A	N/A	N/A	40.853 ug/kg	113.482 ug/kg	N/A
Cadmium	ND	N/A	N/A	N/A	N/A	8.171 ug/kg	28.370 ug/kg	N/A
Lead	<LOQ	N/A	N/A	N/A	N/A	4.993 ug/kg	28.370 ug/kg	N/A
Mercury	<LOQ	N/A	N/A	N/A	N/A	1.589 ug/kg	2.837 ug/kg	N/A

USP <233>, USP <730>, USP <1730>

TYMFD

Total Yeast & Mold - Plate - 25 g - Full Range

LAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements
TYMFD-DTS-260901-029-01 - TUE, SEP 8, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Mold	ND	N/A	10 CFU/g	10 CFU/g	N/A
Total Yeast	ND	N/A	10 CFU/g	10 CFU/g	N/A
Total Yeast and Mold *	0 CFU/g	1000 CFU/g	N/A	N/A	WITHIN SPEC

* Total Yeast and Mold is calculated as the sum of Total Yeast and Total Mold

USP <61> - Vendor Modified, USP <1223>, AOAC PTM 121301, AOAC OMA 2014.05

FTIRR

Identification by FTIR - Report

ANA-TM-113 - Identification by FTIR
FTIRR-DTS-260901-029-01 - TUE, SEP 8, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.9 %	N/A	N/A	N/A	N/A

USP <197>, USP <854>, USP <1854>

SOLHM

Residual Solvents - National Panel

ANA-TM-053 - Determination of Residual Solvents

SOLHM-DTS-260901-029-01 - FRI, SEP 4, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
1,1-Dichloroethene	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
1,2-Dichloroethane	ND	N/A	0.50 ug/g	1.0 ug/g	N/A
2-Methylbutane	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
2-Methylpentane	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
2,2-Dimethylbutane	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
2,3-Dimethylbutane	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
3-Methylpentane	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
Acetone	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
Acetonitrile	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
Benzene	ND	N/A	0.18 ug/g	0.5 ug/g	N/A
Butane	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
Chloroform	ND	N/A	0.78 ug/g	1.0 ug/g	N/A
Ethanol	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
Ethyl Acetate	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
Ethyl Ether	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
Ethylene Oxide	ND	N/A	2.00 ug/g	4.0 ug/g	N/A
Heptane	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
Hexane	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
Isobutane	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
Isopropyl Alcohol	<LOQ	N/A	5.00 ug/g	10.0 ug/g	N/A
Methanol	<LOQ	N/A	5.00 ug/g	10.0 ug/g	N/A
Methylene Chloride	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
Neopentane	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
Pentane	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
Propane	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
Toluene	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
Total Xylenes	ND	N/A	5.00 ug/g	10.0 ug/g	N/A
Trichloroethylene	ND	N/A	0.50 ug/g	1.0 ug/g	N/A
Total Butanes *	0.000 ug/g	N/A	N/A	N/A	N/A

* Total Butanes is calculated as the sum of Butane and Isobutane

* Total Hexanes is calculated as the sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane.

* Total Pentanes is calculated as the sum of Pentane, 2-Methylbutane, and Neopentane.

Modified USP <467>

SOLHM

Residual Solvents - National Panel

ANA-TM-053 - Determination of Residual Solvents

SOLHM-DTS-260901-029-01 - FRI, SEP 4, 2026

ISO 17025 ACCR 108157

Analyte	Value	Action Limit	LOD	LOQ	Status
Total Hexanes *	0.000 ug/g	N/A	N/A	N/A	N/A
Total Pentanes *	0.000 ug/g	N/A	N/A	N/A	N/A

* Total Butanes is calculated as the sum of Butane and Isobutane

* Total Hexanes is calculated as the sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane.

* Total Pentanes is calculated as the sum of Pentane, 2-Methylbutane, and Neopentane.

Modified USP <467>