Certificate of Analysis

Sample Name: Part # X30036 - MIT45 Super K Extra Strong (30 mL) 12 Pack
Client: MIT45
Sample Code: DTS-251209-008
Matrix Name: Tincture - Oil Based
Type / Result: Quality Assurance - Pass

cambium analytica
an NSF company

Received Date:	Thu, Jan 8, 2026
Published Date:	Tue, Jan 13, 2026
Batch/Lot Code:	00-2632-S
Batch Size:	12U
Sample Size:	12U
Average Unit Weight:	34.533g (Density (g/mL) x 30mL package. 15 servings/package.)

RESULT SUMMARY

Mitragynine	24.51 mg /serv
Total Major Alkaloids	30.55 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 Varela
Laboratory Director
Cambium Analytica
Tuesday, Jan 13, 2026

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations
Cambium Analytica
Tuesday, Jan 13, 2026

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-251209-008-01 - MON, JAN 12, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	1.0646 %	10.6461 mg/g	24.51 mg	367.64 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.1571 %	1.5708 mg/g	3.62 mg	54.24 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.0631 %	0.6308 mg/g	1.45 mg	21.78 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.0422 %	0.4218 mg/g	0.97 mg	14.56 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids*	1.3269 %	13.2694 mg/g	30.55 mg	458.23 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-251209-008-01 - TUE, JAN 13, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00005 %	0.00050 mg/g	0.00 mg	0.02 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00004 %	0.00037 mg/g	0.00 mg	0.01 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids*	0.00009 %	0.00087 mg/g	0.00 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 - 25g

LAB-TM-063 - Detection of Presumptive Salmonella spp. in Foods and Dietary Supplements
SAL-DTS-251209-008-01 - MON, JAN 12, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Salmonella spp.	ND	Detection	N/A	N/A	PASS

ECOLI

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

LAB-TM-059 - Enumeration of Escherichia coli and Total Coliform in Foods and Dietary Supplements
ECOLI-DTS-251209-008-01 - MON, JAN 12, 2026

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

PGUSP

Pesticides - USP <561>m - GC/TQ

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

PGUSP-DTS-251209-008-01 - MON, JAN 12, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Aldrin	ND	N/A	0.002 ug/g	0.006 ug/g	N/A
alpha-Endosulfan	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
alpha-Hexachlorocyclohexane	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
beta-Endosulfan	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
beta-Hexachlorocyclohexane	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Bromophos-ethyl	ND	0.05 ug/g	0.002 ug/g	0.005 ug/g	PASS
Bromophos-methyl	ND	0.05 ug/g	0.002 ug/g	0.005 ug/g	PASS
Bromopropylate	ND	3 ug/g	0.002 ug/g	0.005 ug/g	PASS
Chlorpyrifos-methyl	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Chlorthal-dimethyl	ND	0.01 ug/g	0.002 ug/g	0.005 ug/g	PASS
cis-Chlordane	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
cis-Heptachlorepoxide	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
delta-Hexachlorocyclohexane	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Dicofol	ND	0.5 ug/g	0.002 ug/g	0.005 ug/g	PASS
Dieldrin	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Endosulfan Sulfate	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Endrin	ND	0.05 ug/g	0.002 ug/g	0.007 ug/g	PASS
epsilon-Hexachlorocyclohexane	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Fenchlorophos	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Fenchlorophos-oxon	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Fenitrothion	ND	0.5 ug/g	0.002 ug/g	0.005 ug/g	PASS
Fenvalerate	ND	1.5 ug/g	0.002 ug/g	0.005 ug/g	PASS
Heptachlor	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Hexachlorobenzene	ND	0.1 ug/g	0.002 ug/g	0.005 ug/g	PASS
Lindane (gamma-Hexachlorocyclohexane)	ND	0.6 ug/g	0.002 ug/g	0.005 ug/g	PASS
Methacriphos	ND	0.05 ug/g	0.004 ug/g	0.012 ug/g	PASS
Methoxychlor	ND	0.05 ug/g	0.004 ug/g	0.013 ug/g	PASS
Methylpentachlorphenyl Sulfide	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Mirex	ND	0.01 ug/g	0.002 ug/g	0.005 ug/g	PASS
o,p'-DDE	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
o,p'-DDT	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
o,p'-TDE	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Oxychlordane	ND	N/A	0.005 ug/g	0.01 ug/g	N/A
p,p'-DDE	ND	N/A	0.002 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.

Modified test method does not include the following analytes: Bromide, inorganic (calculated as bromide ion), Dichlofluanid, Dithiocarbamates (as CS2), N-desethyl-pirimiphos-methyl

PGUSP

Pesticides - USP <561>m - GC/TQ

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

PGUSP-DTS-251209-008-01 - MON, JAN 12, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
p,p'-DDT	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
p,p'-TDE	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Paraoxon-ethyl	ND	N/A	0.005 ug/g	0.01 ug/g	N/A
Paraoxon-methyl	ND	N/A	0.005 ug/g	0.01 ug/g	N/A
Parathion-ethyl	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Parathion-methyl	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Pentachloroaniline	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Pentachloroanisole	ND	0.01 ug/g	0.002 ug/g	0.005 ug/g	PASS
Pentachloronitrobenzene (Quintozene)	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
Procymidone	ND	0.1 ug/g	0.002 ug/g	0.005 ug/g	PASS
S-421	ND	0.02 ug/g	0.002 ug/g	0.005 ug/g	PASS
tau-Fluvalinate	ND	0.05 ug/g	0.002 ug/g	0.005 ug/g	PASS
Tecnazene	ND	0.05 ug/g	0.002 ug/g	0.005 ug/g	PASS
Tetradifon	ND	0.3 ug/g	0.002 ug/g	0.005 ug/g	PASS
trans-Chlordane	ND	N/A	0.002 ug/g	0.005 ug/g	N/A
trans-Heptachlorepoxide	ND	N/A	0.004 ug/g	0.012 ug/g	N/A
Vinclozolin	ND	0.4 ug/g	0.002 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	N/A	N/A	N/A	N/A
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 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.*

Modified test method does not include the following analytes: Bromide, inorganic (calculated as bromide ion), Dichlofluanid, Dithiocarbamates (as CS2), N-desethyl-pirimiphos-methyl

PLUSP

Pesticides - USP <561>m - LC/TQ

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

PLUSP-DTS-251209-008-01 - MON, JAN 12, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Acephate	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Alachlor	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Azinphos-ethyl	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Azinphos-methyl	ND	1 ug/g	12.5 ng/g	25 ng/g	PASS
Chlorfenvinphos	ND	0.5 ug/g	12.5 ng/g	25 ng/g	PASS
Chlorpyrifos-ethyl	ND	0.2 ug/g	12.5 ng/g	25 ng/g	PASS
Cyfluthrin	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Cypermethrin	0.107 ug/g	1 ug/g	12.5 ng/g	25 ng/g	PASS
Deltamethrin	ND	0.5 ug/g	12.5 ng/g	25 ng/g	PASS
Diazinon	ND	0.5 ug/g	12.5 ng/g	25 ng/g	PASS
Dichlorvos	ND	1 ug/g	12.5 ng/g	25 ng/g	PASS
Dimethoate	ND	N/A	12.5 ng/g	25 ng/g	N/A
Ethion	ND	2 ug/g	12.5 ng/g	25 ng/g	PASS
Etrimphos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Fenpropathrin	ND	0.03 ug/g	12.5 ng/g	25 ng/g	PASS
Fensulfothion	ND	N/A	12.5 ng/g	25 ng/g	N/A
Fensulfothion Oxon	ND	N/A	12.5 ng/g	25 ng/g	N/A
Fensulfothion Oxonsulfone	ND	N/A	12.5 ng/g	25 ng/g	N/A
Fensulfothion Sulfone	ND	N/A	12.5 ng/g	25 ng/g	N/A
Fenthion	ND	N/A	12.5 ng/g	25 ng/g	N/A
Fenthion Oxon	ND	N/A	12.5 ng/g	25 ng/g	N/A
Fenthion Oxon Sulfone	ND	N/A	12.5 ng/g	25 ng/g	N/A
Fenthion Oxon Sulfoxide	ND	N/A	12.5 ng/g	25 ng/g	N/A
Fenthion Sulfone	ND	N/A	12.5 ng/g	25 ng/g	N/A
Fenthion Sulfoxide	ND	N/A	12.5 ng/g	25 ng/g	N/A
Flucythrinate	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Fonophos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
lambda-Cyhalothrin	ND	1 ug/g	12.5 ng/g	25 ng/g	PASS
Malaoxon	ND	N/A	12.5 ng/g	25 ng/g	N/A
Malathion	ND	N/A	12.5 ng/g	25 ng/g	N/A
Mecarbam	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Methamidophos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Methidathion	ND	0.2 ug/g	12.5 ng/g	25 ng/g	PASS
Monocrotophos	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Omethoate	ND	N/A	12.5 ng/g	25 ng/g	N/A

*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.

Modified test method does not include the following analytes: Bromide, inorganic (calculated as bromide ion), Dichlofluanid, Dithiocarbamates (as CS2), N-desethyl-pirimiphos-methyl

PLUSP

Pesticides - USP <561>m - LC/TQ

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

PLUSP-DTS-251209-008-01 - MON, JAN 12, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Pendimethalin	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Permethrins (Sum of cis-Permethrin and trans-Permethrin)	ND	1 ug/g	12.5 ng/g	25 ng/g	PASS
Phosalone	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Phosmet	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Piperonyl Butoxide	ND	3 ug/g	12.5 ng/g	25 ng/g	PASS
Pirimiphos-ethyl	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Pirimiphos-methyl	ND	4 ug/g	12.5 ng/g	25 ng/g	PASS
Profenophos	ND	0.1 ug/g	12.5 ng/g	25 ng/g	PASS
Prothiophos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Pyrethrins Cinerin I	ND	N/A	3.75 ng/g	7.5 ng/g	N/A
Pyrethrins Cinerin II	ND	N/A	2.5 ng/g	5 ng/g	N/A
Pyrethrins Jasmolin I	ND	N/A	0.5 ng/g	2.5 ng/g	N/A
Pyrethrins Jasmolin II	ND	N/A	1.25 ng/g	2.5 ng/g	N/A
Pyrethrins Pyrethrin I	ND	N/A	6.75 ng/g	33.75 ng/g	N/A
Pyrethrins Pyrethrin II	ND	N/A	3.25 ng/g	16.25 ng/g	N/A
Quinalphos	ND	0.05 ug/g	12.5 ng/g	25 ng/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

**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.*

Modified test method does not include the following analytes: Bromide, inorganic (calculated as bromide ion), Dichlofluanid, Dithiocarbamates (as CS2), N-desethyl-pirimiphos-methyl

TAMC

Total Aerobic Bacteria - Plate - 25g - Full Range

LAB-TM-060 - Enumeration of Total Aerobic Count in Foods and Dietary Supplements
TAMC-DTS-251209-008-01 - MON, JAN 12, 2026

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

DEN

Density of Liquids

LAB-TM-017 - Brix & Density Analysis
DEN-DTS-251209-008-01 - FRI, JAN 9, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.1511 g/mL	N/A	N/A	N/A	N/A
Specific Gravity*	1.1532	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 - 25g

LAB-TM-062 - Enumeration of Staphylococcus aureus in Foods and Dietary Supplements
SAUR-DTS-251209-008-01 - MON, JAN 12, 2026

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

AWA

Water Activity

LAB-TM-009 - Determination of Water Activity
AWA-DTS-251209-008-01 - MON, JAN 12, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Water Activity	0.753 aw	N/A	N/A	N/A	N/A

HVMET

Heavy Metals - Big 4

LAB-TM-044 - Determination of Heavy Metals by ICP-MS
HVMET-DTS-251209-008-01 - MON, JAN 12, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.066 ug/g	0.000 mg/g	0.15 ug	2.28 ug	1 ug/g	0.509 ug/kg	2.062 ug/kg	PASS
Cadmium	<LOQ	N/A	N/A	N/A	1 ug/g	0.256 ug/kg	0.509 ug/kg	PASS
Lead	<LOQ	N/A	N/A	N/A	3 ug/g	0.255 ug/kg	0.515 ug/kg	PASS
Mercury	0.000 ug/g	0.000 mg/g	0.00 ug	0.01 ug	1 ug/g	0.025 ug/kg	0.057 ug/kg	PASS

TYMFD

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

LAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements
TYMFD-DTS-251209-008-01 - MON, JAN 12, 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*	ND	100 CFU/g	10 CFU/g	10 CFU/g	PASS

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

FTIRR

Identification by FTIR - Report

ANA-TM-113 - Identification by FTIR
FTIRR-DTS-251209-008-01 - FRI, JAN 9, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
Quality Index Score	99.9 %	95 - 100 %	N/A	N/A	PASS

MIT45 Super K Extra Strong 30mL (12 Pack) (Part # 30036)

SOLHM

Residual Solvents - National Panel

ANA-TM-004 - Determination of Residual Solvents

SOLHM-DTS-251209-008-01 - MON, JAN 12, 2026

Analyte	Value	Action Limit	LOD	LOQ	Status
1,1-Dichloroethene	ND	N/A	5 ug/g	10 ug/g	N/A
1,2-Dichloroethane	ND	5 ug/g	0.5 ug/g	1.00 ug/g	PASS
2-Methylbutane	ND	N/A	5 ug/g	10 ug/g	N/A
2-Methylpentane	ND	N/A	5 ug/g	10 ug/g	N/A
2,2-Dimethylbutane	ND	N/A	5 ug/g	10 ug/g	N/A
2,3-Dimethylbutane	ND	N/A	5 ug/g	10 ug/g	N/A
3-Methylpentane	ND	N/A	5 ug/g	10 ug/g	N/A
Acetone	ND	5000 ug/g	5 ug/g	10 ug/g	PASS
Acetonitrile	ND	410 ug/g	5 ug/g	10 ug/g	PASS
Benzene	ND	2 ug/g	0.18 ug/g	0.50 ug/g	PASS
Butane	ND	N/A	5 ug/g	10 ug/g	N/A
Chloroform	ND	60 ug/g	0.78 ug/g	1 ug/g	PASS
Ethanol	ND	5000 ug/g	5 ug/g	10 ug/g	PASS
Ethyl Acetate	ND	5000 ug/g	5 ug/g	10 ug/g	PASS
Ethyl Ether	ND	5000 ug/g	5 ug/g	10 ug/g	PASS
Ethylene Oxide	ND	N/A	2 ug/g	4 ug/g	N/A
Heptane	ND	5000 ug/g	5 ug/g	10 ug/g	PASS
Hexane	ND	290 ug/g	5 ug/g	10 ug/g	PASS
Isobutane	ND	N/A	5 ug/g	10 ug/g	N/A
Isopropyl Alcohol	ND	N/A	5 ug/g	10 ug/g	N/A
Methanol	20.004 ug/g	3000 ug/g	5 ug/g	10 ug/g	PASS
Methylene Chloride	ND	600 ug/g	5 ug/g	10 ug/g	PASS
Neopentane	ND	N/A	5 ug/g	10 ug/g	N/A
Pentane	ND	5000 ug/g	5 ug/g	10 ug/g	PASS
Propane	ND	N/A	5 ug/g	10 ug/g	N/A
Toluene	ND	890 ug/g	5 ug/g	10 ug/g	PASS
Total Xylenes	ND	2170 ug/g	5 ug/g	10 ug/g	PASS
Trichloroethylene	ND	80 ug/g	0.5 ug/g	1 ug/g	PASS
Total Butanes*	0.000 ug/g	N/A	N/A	N/A	N/A
Total Hexanes*	0.000 ug/g	290 ug/g	N/A	N/A	PASS
Total Pentanes*	0.000 ug/g	5000 ug/g	N/A	N/A	PASS

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.