

Certificate of Analysis

Sample Name: Part # X30038 - MIT45 Super K (30mL) 12 Pack
Client: MIT45
Sample Code: DTS-260115-022
Matrix Name: Tincture - Oil Based
Type / Result: Quality Assurance - Pass



Received Date: Wed, Jan 21, 2026
Published Date: Tue, Jan 27, 2026
Batch/Lot Code: 00-2687-S
Batch Size: 9U
Sample Size: 9U
Average Unit Weight: 35.595g (Density (g/mL) x 30mL package. 6 servings/package.)

RESULT SUMMARY

Mitragynine	27.85 mg /serv
Total Major Alkaloids	36.16 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 <56>m ✓
PLUSP Pesticides USP <56>m ✓	TAMC Total Aerobic Bacteria Plate ✓	DEN Density of Liquids Plate ✓	SAUR Staphylococcus aureus Plate ✓	AWA Water Activity Plate ✓
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 27, 2026

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Tuesday, Jan 27, 2026

This report may not be reproduced except in full without approval from Cambium Analytica. The results herein relate only to the sample & batch identified in this report.

Lab Information

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



ALKU

Kratom Alkaloids - High LevelLAB-TM-052 - Determination of Kratom Alkaloid Content by UPLC-DAD
ALKU-DTS-260115-022-01 - MON, JAN 26, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Mitragynine	0.4695 %	4.6947 mg/g	27.85 mg	167.11 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.0714 %	0.7139 mg/g	4.23 mg	25.41 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogyneine	0.0365 %	0.3650 mg/g	2.17 mg	12.99 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.0322 %	0.3223 mg/g	1.91 mg	11.47 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids*	0.6096 %	6.0959 mg/g	36.16 mg	216.98 mg	N/A	N/A	N/A	N/A

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

ALKL

Kratom Alkaloids - Low LevelLAB-TM-047 - Determination of Kratom Alkaloid Content by LC-TQ
ALKL-DTS-260115-022-01 - MON, JAN 26, 2026

Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
7-Hydroxymitragynine	0.00006 %	0.00060 mg/g	0.00 mg	0.02 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00003 %	0.00027 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	0.01 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 - 25gLAB-TM-063 - Detection of Presumptive Salmonella spp. in Foods and Dietary Supplements
SAL-DTS-260115-022-01 - FRI, JAN 23, 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 RangeLAB-TM-059 - Enumeration of Escherichia coli and Total Coliform in Foods and Dietary Supplements
ECOLI-DTS-260115-022-01 - FRI, JAN 23, 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-260115-022-01 - MON, JAN 26, 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	0.1 ug/g	0.002 ug/g	0.005 ug/g	PASS
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-Heptachlorepoide	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
Methylpentachlorophenyl 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 Fenchlorophos-oxon.

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

*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 Methylpentachlorophenyl 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-260115-022-01 - MON, JAN 26, 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-Heptachlorepoxyde	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	0.2 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 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 Fenchlorophos-oxon.

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

*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 Methylpentachlorophenyl Sulfide.

Modified test method does not include the following analytes: Bromide, inorganic (calculated as bromide ion), Dichlofluaniid, 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-260115-022-01 - MON, JAN 26, 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	0.145 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-260115-022-01 - MON, JAN 26, 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 Oxansulfone, 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-260115-022-01 - FRI, JAN 23, 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-260115-022-01 - THU, JAN 22, 2026



Analyte	Value	Action Limit	LOD	LOQ	Status
Density	1.1865 g/mL	N/A	N/A	N/A	N/A
Specific Gravity*	1.1886	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-260115-022-01 - FRI, JAN 23, 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-260115-022-01 - FRI, JAN 23, 2026



Analyte	Value	Action Limit	LOD	LOQ	Status
Water Activity	0.603 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-260115-022-01 - FRI, JAN 23, 2026



Analyte	Value	Value (mg/g)	Per Serving	Per Package	Action Limit	LOD	LOQ	Status
Arsenic	0.042 ug/g	0.000 mg/g	0.25 ug	1.48 ug	1 ug/g	0.509 ug/kg	2.062 ug/kg	PASS
Cadmium	ND	N/A	N/A	N/A	1 ug/g	0.256 ug/kg	0.509 ug/kg	PASS
Lead	0.001 ug/g	0.000 mg/g	0.00 ug	0.03 ug	3 ug/g	0.255 ug/kg	0.515 ug/kg	PASS
Mercury	ND	N/A	N/A	N/A	1 ug/g	0.025 ug/kg	0.057 ug/kg	PASS



TYMFD

Total Yeast & Mold - Plate - 25g - Full RangeLAB-TM-061 - Enumeration of Yeast and Mold in Foods and Dietary Supplements
TYMFD-DTS-260115-022-01 - SAT, JAN 24, 2026

Analyte	Value	Action Limit	LOD	LOG	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 - ReportANA-TM-113 - Identification by FTIR
FTIRR-DTS-260115-022-01 - FRI, JAN 23, 2026

Analyte	Value	Action Limit	LOD	LOG	Status
Quality Index Score	99.7 %	95 - 100 %	N/A	N/A	PASS

MIT45 Super K 30 mL



SOLHM

Residual Solvents - National Panel

ANA-TM-004 - Determination of Residual Solvents

SOLHM-DTS-260115-022-02 - TUE, JAN 27, 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	20.122 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.

