

Prepared For: Havi Consortium
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License: AU-G-C-001083

METRC ID: 1A405030003A662000001232

Report Created: 7/10/2025

CC ID: 2507NCTLMI1554.7297

Sample Received: 7/7/2025

LIMS ID: 69406

Item: Michigan Sour

METRC Batch: 1A405030003A662000001230

Strain: Mi Sour

Product Category: Buds

CANNABINOID PROFILE by HPLC / NCTLM SOP-504 / Date Tested - 07/08/2025

Analyte	LOQ %	Result mg/g	Result %
Cannabidiol (CBD)	0.04	ND	ND
Cannabidiol acid (CBDA)	0.04	0.54	0.05
Cannabigerolic acid (CBGA)	0.04	10.59	1.06
Cannabigerol (CBG)	0.04	0.99	0.10
Cannabidiol (CBD)	0.04	ND	ND
Tetrahydrocannabinol (THCV)	0.04	ND	ND
Cannabinol (CBN)	0.04	ND	ND
delta-9-Tetrahydrocannabinol (delta-9-THC)	0.04	2.38	0.24
delta-8-Tetrahydrocannabinol (delta-8-THC)	0.04	ND	ND
Cannabichromene (CBC)	0.04	ND	ND
Tetrahydrocannabinolic acid (THCA)	0.04	316.07	31.61
Total THC		279.57	27.96
Total CBD		0.47	0.05
Total Cannabinoids		330.57	33.06

33.06% Total Cannabinoids	Pass Chemical Residue	Pass Foreign Matter	Pass Heavy Metals	Not Tested Homogeneity	Pass Microbials
Not Tested Residual Solvents	2.443% Total Terpenes	Not Tested Vitamin E Acetate	Not Tested MCT Oil	0.4835 a_w Water Activity	Not Tested Conversion Oil

NOTES

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APPROVED BY:



Dave Arnold, Scientific Director

DATE APPROVED: 7/10/2025

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Chemical Residue

by LCMS / NCTLM SOP-502 / Date Tested - 07/09/2025
by LCMSAPCI / NCTLM SOP-519 / Date Tested - 07/08/2025

Analyte	LOQ	M.A.C. 420	Result	Status	Analyte	LOQ	M.A.C. 420	Result	Status
	ppm	ppm Limit	ppm			ppm	ppm Limit	ppm	
Abamectin	0.250	0.5	ND	Passed	Hexythiazox	0.500	1	ND	Passed
Acephate	0.200	0.4	ND	Passed	Imazalil	0.100	0.2	ND	Passed
Acequinocyl	1.000	2	ND	Passed	Imidacloprid	0.200	0.4	ND	Passed
Acetamiprid	0.100	0.2	ND	Passed	Kresoxim-methyl	0.200	0.4	ND	Passed
Aldicarb	0.200	0.4	ND	Passed	Malathion	0.100	0.2	ND	Passed
Azoxystrobin	0.100	0.2	ND	Passed	Metalaxyl	0.100	0.2	ND	Passed
Bifenazate	0.100	0.2	ND	Passed	Methiocarb	0.100	0.2	ND	Passed
Bifenthrin	0.100	0.2	ND	Passed	Methomyl	0.200	0.4	ND	Passed
Boscalid	0.200	0.4	ND	Passed	Methyl parathion	0.100	0.2	ND	Passed
Carbaryl	0.100	0.2	ND	Passed	MGK-264	0.100	0.2	ND	Passed
Carbofuran	0.100	0.2	ND	Passed	Myclobutanil	0.100	0.2	ND	Passed
Chlorantraniliprole	0.100	0.2	ND	Passed	Naled	0.250	0.5	ND	Passed
Chlorfenapyr	0.500	1	ND	Passed	Oxamyl	0.500	1	ND	Passed
Chlorpyrifos	0.100	0.2	ND	Passed	Paclobutrazol	0.200	0.4	ND	Passed
Clofentezine	0.100	0.2	ND	Passed	Permethrin*	0.100	0.2	ND	Passed
Cyfluthrin	0.500	1	ND	Passed	Phosmet	0.100	0.2	ND	Passed
Cypermethrin	0.500	1	ND	Passed	Prallethrin	0.100	0.2	ND	Passed
Daminozide	0.500	1	ND	Passed	Propiconazole	0.200	0.4	ND	Passed
DDVP (Dichlorvos)	0.500	1	ND	Passed	Propoxur	0.100	0.2	ND	Passed
Diazinon	0.100	0.2	ND	Passed	Pyrethrin**	0.500	1	ND	Passed
Dimethoate	0.100	0.2	ND	Passed	Pyridaben	0.100	0.2	ND	Passed
Ethoprophos	0.100	0.2	ND	Passed	Spinosad	0.100	0.2	ND	Passed
Etofenprox	0.200	0.4	ND	Passed	Spiromefesin	0.100	0.2	ND	Passed
Etoazole	0.100	0.2	ND	Passed	Spirotetramat	0.100	0.2	ND	Passed
Fenoxycarb	0.100	0.2	ND	Passed	Spiroxamine	0.200	0.4	ND	Passed
Fenpyroximate	0.200	0.4	ND	Passed	Tebuconazole	0.200	0.4	ND	Passed
Fipronil	0.200	0.4	ND	Passed	Thiacloprid	0.100	0.2	ND	Passed
Flonicamid	0.500	1	ND	Passed	Thiamethoxam	0.100	0.2	ND	Passed
Fludioxonil	0.200	0.4	ND	Passed	Trifloxystrobin	0.100	0.2	ND	Passed

NOTES

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Accreditation #118827
ISO/IEC 17025:2017

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Strain: Mi Sour

Product Category: Buds

Foreign Matter

by Microscope / NCTLM SOP-500 / Date Tested - 07/08/2025

Analyte	M.A.C. 420 % Limit	Result %	Status
Inorganic Foreign Matter	ND	ND	Passed
Seeds and Stem Material	5	ND	Passed
Total Organic Matter	2	ND	Passed

NOTES

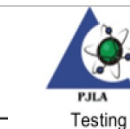
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Product Category: Buds

Heavy Metals by ICPMS / NCTLM SOP-503 / Date Tested - 07/08/2025

Analyte	LOQ ppm	M.A.C. 420 ppm Limit	Result ppm	Status
Cadmium	0.183	0.4	ND	Passed
Inorganic Arsenic	0.183	0.4	ND	Passed
Lead	0.458	1	ND	Passed
Mercury	0.092	0.2	ND	Passed
Nickel	0.458	1	ND	Passed
Total Chromium	0.549	1.2	ND	Passed

NOTES

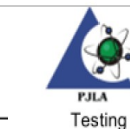
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Microbials by NCTLM SOP-516/524/526/531 / Date Tested - 07/07/2025

Analyte	LOQ	M.A.C. 420	Result	Status
	cfu/g	cfu/g Limit	cfu/g	
Total Yeast and Mold	100	100000	ND	Passed
Total Coliform	100	1000	ND	Passed
E. Coli (STEC)	n/a	ND	Negative	Passed
Pathogenic Salmonella spp	n/a	ND	Negative	Passed
Pathogenic Aspergillus*	n/a	ND	Negative	Passed

NOTES

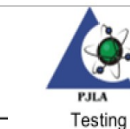
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Product Category: Buds

Terpenes

by GCMS / NCTLM SOP-527 / Date Tested - 07/08/2025

Analyte	LOQ	Result	Result
	%	mg/g	%
Total Terpenes		24.430	2.443
beta-Myrcene ⁽²⁾	0.004	10.663	1.066
alpha-Pinene ⁽²⁾	0.004	5.958	0.596
beta-Caryophyllene ⁽²⁾	0.004	1.666	0.167
Ocimene (cis + trans) ⁽²⁾		1.650	0.165
beta-Pinene ⁽²⁾	0.009	1.299	0.130
Linalool ⁽²⁾	0.004	1.101	0.110
alpha-Humulene ⁽²⁾	0.004	0.559	0.056
delta-Limonene ⁽²⁾	0.004	0.489	0.049
alpha-Bisabolol ⁽²⁾	0.004	0.308	0.031
trans-B-Farnesene ⁽²⁾	0.004	0.201	0.020
Citronellol ⁽²⁾	0.009	0.140	0.014
Camphene ⁽²⁾	0.004	0.092	0.009
alpha-Terpineol ⁽²⁾	0.004	0.092	0.009
Nerolidol (cis + trans) ⁽²⁾		0.083	0.008
Fenchyl Alcohol ⁽²⁾	0.004	0.074	0.007
Caryophyllene Oxide ⁽²⁾	0.004	0.053	0.005
alpha-Cedrene ⁽²⁾	0.003	ND	ND
alpha-Terpinene ⁽²⁾	0.004	ND	ND
Cedrol ⁽²⁾	0.009	ND	ND
Eucalyptol ⁽²⁾	0.004	ND	ND
Fenchone ⁽²⁾	0.004	ND	ND
gamma-Terpinene ⁽²⁾	0.004	ND	ND
Geraniol ⁽²⁾	0.004	ND	ND
Geranyl Acetate ⁽²⁾	0.004	ND	ND
Guaiol ⁽²⁾	0.004	ND	ND

Analyte	LOQ	Result	Result
	%	mg/g	%
Isoborneol ⁽²⁾	0.004	ND	ND
Isopulegol ⁽²⁾	0.004	ND	ND
Menthol ⁽²⁾	0.004	ND	ND
Nerol ⁽²⁾	0.004	ND	ND
Pulegone ⁽²⁾	0.004	ND	ND
Sabinene Hydrate ⁽²⁾	0.004	ND	ND
Terpinolene ⁽²⁾	0.004	ND	ND
Valencene ⁽²⁾	0.004	ND	ND
alpha-Thujone ⁽²⁾	0.004	ND	ND
Borneol ⁽²⁾	0.009	ND	ND
Camphor ⁽²⁾	0.004	ND	ND
Carene ⁽²⁾	0.009	ND	ND
Carvacrol ⁽²⁾	0.009	ND	ND
Carvone ⁽²⁾	0.004	ND	ND
Citral (cis + trans) ⁽²⁾		ND	ND
Cymene (sum of isomers) ⁽²⁾		ND	ND
Isobornyl acetate ⁽²⁾	0.004	ND	ND
Menthone ⁽²⁾		ND	ND
Nootkatone ⁽²⁾	0.009	ND	ND
Octyl acetate ⁽²⁾	0.004	ND	ND
Phytane ⁽²⁾	0.004	ND	ND
Piperitone ⁽²⁾	0.004	ND	ND
Safranal ⁽²⁾	0.004	ND	ND
Terpinen-4-ol ⁽²⁾	0.004	ND	ND
Thymol ⁽²⁾	0.004	ND	ND
Verbenone ⁽²⁾	0.004	ND	ND

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Product Category: Buds

Water Activity by Water Activity Meter / NCTLM SOP-508 / Date Tested - 07/08/2025

Analyte	LOQ	M.A.C. 420	Result	Status
	Aw	Aw Limit	Aw	
Water Activity		0.65	0.4835	Passed



NOTES

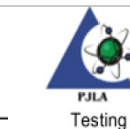
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