

Prepared For: Havi Consortium
33842 88th Ave
Lawton, MI 49065
juansy@raggedwizard.com
2696155893
License: AU-G-C-001083

METRC ID: 1A405030003A662000001164

Report Created: 5/27/2025

CC ID: 2505NCTLMI1212.5683

Sample Received: 5/22/2025

LIMS ID: 67792

Item: Formula 1

METRC Batch: 1A405030003A662000001161

Strain: Formula 1

Product Category: Buds

CANNABINOID PROFILE by HPLC / NCTLM SOP-504 / Date Tested - 05/23/2025

Analyte	LOQ %	Result mg/g	Result %
Cannabidiarin (CBDV)	0.04	ND	ND
Cannabidiolic acid (CBDA)	0.04	0.58	0.06
Cannabigerolic acid (CBGA)	0.04	4.27	0.43
Cannabigerol (CBG)	0.04	0.75	0.07
Cannabidiol (CBD)	0.04	ND	ND
Tetrahydrocannabinarin (THCV)	0.04	ND	ND
Cannabinol (CBN)	0.04	ND	ND
delta-9-Tetrahydrocannabinol (delta-9-THC)	0.04	7.39	0.74
delta-8-Tetrahydrocannabinol (delta-8-THC)	0.04	ND	ND
Cannabichromene (CBC)	0.04	ND	ND
Tetrahydrocannabinolic acid (THCA)	0.04	335.26	33.53
Total THC		301.41	30.14
Total CBD		0.51	0.05
Total Cannabinoids		348.25	34.82

34.82% Total Cannabinoids	Pass Chemical Residue	Pass Foreign Matter	Pass Heavy Metals	Not Tested Homogeneity	Pass Microbials
Not Tested Residual Solvents	1.696% Total Terpenes	Not Tested Vitamin E Acetate	Not Tested MCT Oil	0.4275 a_w Water Activity	Not Tested Conversion Oil

NOTES

FINAL APPROVAL

APPROVED BY:



Dave Arnold, Scientific Director

DATE APPROVED: 5/27/2025

"ND" indicates analyte not detected in the sample tested at levels at or above the limit of quantitation. Unless otherwise noted, all samples are collected by North Coast employees in accordance with SOP-620 on the date the samples were received. Total THC is sum of delta-9-THC, delta-8-THC+0.877*THCA. Total CBD is sum of CBD+0.877*CBDA. Permethrins measured as cumulative residue of cis- and trans-permethrin isomers. Pyrethrins measured as cumulative residue of pyrethrin 1, cinerin 1, and jasmolin 1. Pathogenic Aspergillus includes *flavus*, *fumigatus*, *niger*, and *terreus*. "PASS"/"FAIL" determinations based on "Sampling and Testing Technical Guidance for Marijuana Products" published by Mich. Cannabis Regulatory Agency.
¹Beta-pinene co-elutes w/ sabinene; delta-3-carene co-elutes with phellandrene; if either co-eluting analyte is present in sample, results added to beta-pinene and delta-3-carene, respectively.
²Non-quantitative/for information only (FIO). Moisture Content, Conversion Oil, MCT oil not w/in ISO 17025 scope of accreditation & have not been evaluated by CRA; results are for FIO.

Prepared For: Havi Consortium
33842 88th Ave
Lawton, MI 49065
juansy@raggedwizard.com
2696155893
License: AU-G-C-001083

METRC ID: 1A405030003A662000001164

Report Created: 5/27/2025

CC ID: 2505NCTLMI1212.5683

Sample Received: 5/22/2025

LIMS ID: 67792

Item: Formula 1

METRC Batch: 1A405030003A662000001161

Strain: Formula 1

Product Category: Buds

Chemical Residue

by LCMS / NCTLM SOP-502 / Date Tested - 05/24/2025
by LCMSAPCI / NCTLM SOP-519 / Date Tested - 05/23/2025

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

/

FINAL APPROVAL

APPROVED BY:



Dave Arnold, Scientific Director

DATE APPROVED: 5/27/2025

"ND" indicates analyte not detected in the sample tested at levels at or above the limit of quantitation. Unless otherwise noted, all samples are collected by North Coast employees in accordance with SOP-620 on the date the samples were received. Total THC is sum of delta-9-THC, delta-8-THC+0.877*THCA. Total CBD is sum of CBD+0.877*CBDA. Permethrins measured as cumulative residue of cis- and trans-permethrin isomers. Pyrethrins measured as cumulative residue of pyrethrin 1, cinerin 1, and jasmolin 1. Pathogenic Aspergillus includes *flavus*, *fumigatus*, *niger*, and *terreus*. "PASS"/"FAIL" determinations based on "Sampling and Testing Technical Guidance for Marijuana Products" published by Mich. Cannabis Regulatory Agency.

*Beta-pinene co-elutes w/ sabinene; delta-3-carene co-elutes with phellandrene; if either co-eluting analyte is present in sample, results added to beta-pinene and delta-3-carene, respectively.

**Non-quantitative/for information only (FIO). Moisture Content, Conversion Oil, MCT oil not w/in ISO 17025 scope of accreditation & have not been evaluated by CRA; results are for FIO.

Prepared For: Havi Consortium
33842 88th Ave
Lawton, MI 49065
juansy@raggedwizard.com
2696155893
License: AU-G-C-001083

METRC ID: 1A405030003A662000001164

Report Created: 5/27/2025

CC ID: 2505NCTLMI1212.5683

Sample Received: 5/22/2025

LIMS ID: 67792

Item: Formula 1

METRC Batch: 1A405030003A662000001161

Strain: Formula 1

Product Category: Buds

Foreign Matter by Microscope / NCTLM SOP-500 / Date Tested - 05/23/2025

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

FINAL APPROVAL

APPROVED BY:



Dave Arnold, Scientific Director

DATE APPROVED: 5/27/2025

"ND" indicates analyte not detected in the sample tested at levels at or above the limit of quantitation. Unless otherwise noted, all samples are collected by North Coast employees in accordance with SOP-620 on the date the samples were received. Total THC is sum of delta-9-THC, delta-8-THC+0.877*THCA. Total CBD is sum of CBD+0.877*CBDA. Permethrins measured as cumulative residue of cis- and trans-permethrin isomers. Pyrethrins measured as cumulative residue of pyrethrin 1, cinerin 1, and jasmolin 1. Pathogenic Aspergillus includes *flavus*, *fumigatus*, *niger*, and *terreus*. "PASS"/"FAIL" determinations based on "Sampling and Testing Technical Guidance for Marijuana Products" published by Mich. Cannabis Regulatory Agency.
¹Beta-pinene co-elutes w/ sabinene; delta-3-carene co-elutes with phellandrene; if either co-eluting analyte is present in sample, results added to beta-pinene and delta-3-carene, respectively.
²Non-quantitative/for information only (FIO). Moisture Content, Conversion Oil, MCT oil not w/in ISO 17025 scope of accreditation & have not been evaluated by CRA; results are for FIO.

Prepared For: Havi Consortium
33842 88th Ave
Lawton, MI 49065
juansy@raggedwizard.com
2696155893
License: AU-G-C-001083

METRC ID: 1A405030003A662000001164

Report Created: 5/27/2025

CC ID: 2505NCTLMI1212.5683

Sample Received: 5/22/2025

LIMS ID: 67792

Item: Formula 1

METRC Batch: 1A405030003A662000001161

Strain: Formula 1

Product Category: Buds

Heavy Metals by ICPMS / NCTLM SOP-503 / Date Tested - 05/23/2025

Analyte	LOQ ppm	M.A.C. 420 ppm Limit	Result ppm	Status
Cadmium	0.164	0.4	ND	Passed
Inorganic Arsenic	0.164	0.4	ND	Passed
Lead	0.411	1	ND	Passed
Mercury	0.082	0.2	ND	Passed
Nickel	0.411	1	ND	Passed
Total Chromium	0.493	1.2	ND	Passed

NOTES

FINAL APPROVAL

APPROVED BY:



Dave Arnold, Scientific Director

DATE APPROVED: 5/27/2025

"ND" indicates analyte not detected in the sample tested at levels at or above the limit of quantitation. Unless otherwise noted, all samples are collected by North Coast employees in accordance with SOP-620 on the date the samples were received. Total THC is sum of delta-9-THC, delta-8-THC+0.877*THCA. Total CBD is sum of CBD+0.877*CBDA. Permethrins measured as cumulative residue of cis- and trans-permethrin isomers. Pyrethrins measured as cumulative residue of pyrethrin 1, cinerin 1, and jasmolin 1. Pathogenic Aspergillus includes *flavus*, *fumigatus*, *niger*, and *terreus*. "PASS"/"FAIL" determinations based on "Sampling and Testing Technical Guidance for Marijuana Products" published by Mich. Cannabis Regulatory Agency.
¹Beta-pinene co-elutes w/ sabinene; delta-3-carene co-elutes with phellandrene; if either co-eluting analyte is present in sample, results added to beta-pinene and delta-3-carene, respectively.
²Non-quantitative/for information only (FIO). Moisture Content, Conversion Oil, MCT oil not w/in ISO 17025 scope of accreditation & have not been evaluated by CRA; results are for FIO.

Prepared For: Havi Consortium
33842 88th Ave
Lawton, MI 49065
juansy@raggedwizard.com
2696155893
License: AU-G-C-001083

METRC ID: 1A405030003A662000001164

Report Created: 5/27/2025

CC ID: 2505NCTLMI1212.5683

Sample Received: 5/22/2025

LIMS ID: 67792

Item: Formula 1

METRC Batch: 1A405030003A662000001161

Strain: Formula 1

Product Category: Buds

Microbials by NCTLM SOP-510/511/516/524/526 / Date Tested - 05/22/2025

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

FINAL APPROVAL

APPROVED BY:



Dave Arnold, Scientific Director

DATE APPROVED: 5/27/2025

"ND" indicates analyte not detected in the sample tested at levels at or above the limit of quantitation. Unless otherwise noted, all samples are collected by North Coast employees in accordance with SOP-620 on the date the samples were received. Total THC is sum of delta-9-THC, delta-8-THC+0.877*THCA. Total CBD is sum of CBD+0.877*CBDA. Permethrins measured as cumulative residue of cis- and trans-permethrin isomers. Pyrethrins measured as cumulative residue of pyrethrin 1, cinerin 1, and jasmolin 1. Pathogenic Aspergillus includes *flavus*, *fumigatus*, *niger*, and *terreus*. "PASS"/"FAIL" determinations based on "Sampling and Testing Technical Guidance for Marijuana Products" published by Mich. Cannabis Regulatory Agency.
*Beta-pinene co-elutes w/ sabinene; delta-3-carene co-elutes with phellandrene; if either co-eluting analyte is present in sample, results added to beta-pinene and delta-3-carene, respectively.
*Non-quantitative/for information only (FIO). Moisture Content, Conversion Oil, MCT oil not w/in ISO 17025 scope of accreditation & have not been evaluated by CRA; results are for FIO.

Prepared For: Havi Consortium
33842 88th Ave
Lawton, MI 49065
juansy@raggedwizard.com
2696155893
License: AU-G-C-001083

METRC ID: 1A405030003A662000001164

Report Created: 5/27/2025

CC ID: 2505NCTLMI1212.5683

Sample Received: 5/22/2025

LIMS ID: 67792

Item: Formula 1

METRC Batch: 1A405030003A662000001161

Strain: Formula 1

Product Category: Buds

Terpenes

by GCMS / NCTLM SOP-527 / Date Tested - 05/23/2025

Analyte	LOQ	Result	Result
	%	mg/g	%
Total Terpenes		16.957	1.696
delta-Limonene ⁽²⁾	0.004	3.945	0.395
beta-Caryophyllene ⁽²⁾	0.004	3.435	0.343
alpha-Humulene ⁽²⁾	0.004	1.581	0.158
beta-Pinene ⁽²⁾	0.008	1.240	0.124
beta-Myrcene ⁽²⁾	0.004	1.136	0.114
alpha-Bisabolol ⁽²⁾	0.004	1.120	0.112
alpha-Pinene ⁽²⁾	0.004	1.102	0.110
Linalool ⁽²⁾	0.004	0.968	0.097
Fenchyl Alcohol ⁽²⁾	0.004	0.805	0.080
alpha-Terpineol ⁽²⁾	0.004	0.720	0.072
Ocimene (cis + trans) ⁽²⁾		0.226	0.023
Camphene ⁽²⁾	0.004	0.187	0.019
Caryophyllene Oxide ⁽²⁾	0.004	0.186	0.019
Borneol ⁽²⁾	0.008	0.148	0.015
Fenchone ⁽²⁾	0.004	0.090	0.009
trans-B-Farnesene ⁽²⁾	0.004	0.069	0.007
alpha-Cedrene ⁽²⁾	0.003	ND	ND
alpha-Terpinene ⁽²⁾	0.004	ND	ND
Cedrol ⁽²⁾	0.008	ND	ND
Eucalyptol ⁽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
Isoborneol ⁽²⁾	0.004	ND	ND

Analyte	LOQ	Result	Result
	%	mg/g	%
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
Camphor ⁽²⁾	0.004	ND	ND
Carene ⁽²⁾	0.008	ND	ND
Carvacrol ⁽²⁾	0.008	ND	ND
Carvone ⁽²⁾	0.004	ND	ND
Citral (cis + trans) ⁽²⁾		ND	ND
Citronellol ⁽²⁾	0.008	ND	ND
Cymene (sum of isomers) ⁽²⁾		ND	ND
Isobornyl acetate ⁽²⁾	0.004	ND	ND
Menthone ⁽²⁾		ND	ND
Nerolidol (cis + trans) ⁽²⁾		ND	ND
Nootkatone ⁽²⁾	0.008	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

NOTES

FINAL APPROVAL

APPROVED BY:



Dave Arnold, Scientific Director

DATE APPROVED: 5/27/2025

"ND" indicates analyte not detected in the sample tested at levels at or above the limit of quantitation. Unless otherwise noted, all samples are collected by North Coast employees in accordance with SOP-620 on the date the samples were received. Total THC is sum of delta-9-THC, delta-8-THC+0.877*THCA. Total CBD is sum of CBD+0.877*CBDA. Permethrins measured as cumulative residue of cis- and trans-permethrin isomers. Pyrethrins measured as cumulative residue of pyrethrin 1, cinerin 1, and jasmolin 1. Pathogenic *Aspergillus* includes *flavus*, *fumigatus*, *niger*, and *terreus*. "PASS"/"FAIL" determinations based on "Sampling and Testing Technical Guidance for Marijuana Products" published by Mich. Cannabis Regulatory Agency.

¹Beta-pinene co-elutes w/ sabinene; delta-3-carene co-elutes with phellandrene; if either co-eluting analyte is present in sample, results added to beta-pinene and delta-3-carene, respectively.

²Non-quantitative/for information only (FIO). Moisture Content, Conversion Oil, MCT oil not w/in ISO 17025 scope of accreditation & have not been evaluated by CRA; results are for FIO.

Prepared For: Havi Consortium
33842 88th Ave
Lawton, MI 49065
juansy@raggedwizard.com
2696155893
License: AU-G-C-001083

METRC ID: 1A405030003A662000001164

Report Created: 5/27/2025

CC ID: 2505NCTLMI1212.5683

Sample Received: 5/22/2025

LIMS ID: 67792

Item: Formula 1

METRC Batch: 1A405030003A662000001161

Strain: Formula 1

Product Category: Buds

Water Activity by Water Activity Meter / NCTLM SOP-508 / Date Tested - 05/23/2025

Analyte	LOQ	M.A.C. 420	Result	Status
	Aw	Aw Limit	Aw	
Water Activity		0.65	0.4275	Passed



NOTES

FINAL APPROVAL

APPROVED BY:



Dave Arnold, Scientific Director

DATE APPROVED: 5/27/2025

"ND" indicates analyte not detected in the sample tested at levels at or above the limit of quantitation. Unless otherwise noted, all samples are collected by North Coast employees in accordance with SOP-620 on the date the samples were received. Total THC is sum of delta-9-THC, delta-8-THC+0.877*THCA. Total CBD is sum of CBD+0.877*CBDA. Permethrins measured as cumulative residue of cis- and trans-permethrin isomers. Pyrethrins measured as cumulative residue of pyrethrin 1, cinerin 1, and jasmolin 1. Pathogenic Aspergillus includes *flavus*, *fumigatus*, *niger*, and *terreus*. "PASS"/"FAIL" determinations based on "Sampling and Testing Technical Guidance for Marijuana Products" published by Mich. Cannabis Regulatory Agency.
¹Beta-pinene co-elutes w/ sabinene; delta-3-carene co-elutes with phellandrene; if either co-eluting analyte is present in sample, results added to beta-pinene and delta-3-carene, respectively.
²Non-quantitative/for information only (FIO). Moisture Content, Conversion Oil, MCT oil not w/in ISO 17025 scope of accreditation & have not been evaluated by CRA; results are for FIO.