

Prepared For: Havi Consortium
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Lawton, MI 49065
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2696155893
License: AU-G-C-001083

METRC ID: 1A405030003A662000000947

Report Created: 12/20/2024

CC ID: 2412NCTLMI3256.14279

Sample Received: 12/16/2024

LIMS ID: 61704

Item: Formula 1

METRC Batch: 1A405030003A662000000940

Strain: Formula 1

Product Category: Buds

CANNABINOID PROFILE by HPLC / NCTLM SOP-504/520 / Date Tested - 12/17/2024

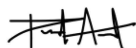
Analyte	LOQ %	Result mg/g	Result %
Cannabidivarin (CBDV)	0.05	ND	ND
Cannabidiolic acid (CBDA)	0.05	0.55	0.05
Cannabigerolic acid (CBGA)	0.05	4.84	0.48
Cannabigerol (CBG)	0.05	0.90	0.09
Cannabidiol (CBD)	0.05	ND	ND
Tetrahydrocannabivarin (THCV)	0.05	ND	ND
Cannabinol (CBN)	0.05	ND	ND
delta-9-Tetrahydrocannabinol (delta-9-THC)	0.05	0.99	0.10
delta-8-Tetrahydrocannabinol (delta-8-THC)	0.05	ND	ND
Cannabichromene (CBC)	0.05	ND	ND
Tetrahydrocannabinolic acid (THCA)	0.05	307.89	30.79
Total THC		271.01	27.10
Total CBD		0.48	0.05
Total Cannabinoids		315.17	31.52

31.52% Total Cannabinoids	Pass Chemical Residue	Pass Foreign Matter	Pass Heavy Metals	Not Tested Homogeneity	Pass Microbials
Not Tested Residual Solvents	2.614% Total Terpenes	Not Tested Vitamin E Acetate	Not Tested MCT Oil	0.4422 a_w Water Activity	Not Tested Conversion Oil

NOTES

FINAL APPROVAL

APPROVED BY:



Dave Arnold, Scientific Director

DATE APPROVED: 12/20/2024

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Product Category: Buds

Chemical Residue

by LCMS / NCTLM SOP-502 / Date Tested - 12/17/2024
by LCMSAPCI / NCTLM SOP-519 / Date Tested - 12/17/2024

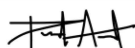
Analyte	LOQ	M.A.C. 420	Result	Status	Analyte	LOQ	M.A.C. 420	Result	Status
	ppm	ppm Limit	ppm			ppm	ppm Limit	ppm	
Abamectin	0.250	0.5	ND	Passed	Hexythiazox	0.500	1	ND	Passed
Acephate	0.200	0.4	ND	Passed	Imazalil	0.100	0.2	ND	Passed
Acequinocyl	1.000	2	ND	Passed	Imidacloprid	0.200	0.4	ND	Passed
Acetamiprid	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	Metaxyl	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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Strain: Formula 1

Product Category: Buds

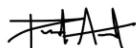
Foreign Matter by Microscope / NCTLM SOP-500 / Date Tested - 12/18/2024

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

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Strain: Formula 1

Product Category: Buds

Heavy Metals by ICPMS / NCTLM SOP-503 / Date Tested - 12/17/2024

Analyte	LOQ ppm	M.A.C. 420 ppm Limit	Result ppm	Status
Cadmium	0.172	0.4	ND	Passed
Inorganic Arsenic	0.172	0.4	ND	Passed
Lead	0.429	1	ND	Passed
Mercury	0.086	0.2	ND	Passed
Nickel	0.429	1	ND	Passed
Total Chromium	0.515	1.2	ND	Passed

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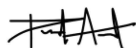
Microbials by NCTLM SOP-510/511/516/524/526 / Date Tested - 12/16/2024

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	n/a	Negative	Passed
Pathogenic Salmonella spp	n/a	n/a	Negative	Passed
Pathogenic Aspergillus*	n/a	n/a	Negative	Passed

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Strain: Formula 1

Product Category: Buds

Terpenes

by GCMS / NCTLM SOP-527 / Date Tested - 12/17/2024

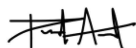
Analyte	LOQ	Result	Result
	%	mg/g	%
Total Terpenes		26.140	2.614
delta-Limonene ⁽²⁾	0.004	8.707	0.871
beta-Caryophyllene ⁽²⁾	0.004	3.860	0.386
alpha-Humulene ⁽²⁾	0.004	1.888	0.189
beta-Pinene ⁽²⁾	0.009	1.803	0.180
Linalool ⁽²⁾	0.004	1.684	0.168
beta-Myrcene ⁽²⁾	0.004	1.668	0.167
alpha-Pinene ⁽²⁾	0.004	1.501	0.150
alpha-Bisabolol ⁽²⁾	0.004	1.417	0.142
Fenchyl Alcohol ⁽²⁾	0.004	1.007	0.101
alpha-Terpineol ⁽²⁾	0.004	0.941	0.094
Ocimene (cis + trans) ⁽²⁾		0.511	0.051
Caryophyllene Oxide ⁽²⁾	0.004	0.290	0.029
Camphene ⁽²⁾	0.004	0.260	0.026
Borneol ⁽²⁾	0.009	0.185	0.018
Terpinolene ⁽²⁾	0.004	0.120	0.012
Fenchone ⁽²⁾	0.004	0.113	0.011
trans-B-Farnesene ⁽²⁾	0.004	0.093	0.009
Geraniol ⁽²⁾	0.004	0.047	0.005
Sabinene Hydrate ⁽²⁾	0.004	0.045	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
gamma-Terpinene ⁽²⁾	0.004	ND	ND
Geranyl Acetate ⁽²⁾	0.004	ND	ND

Analyte	LOQ	Result	Result
	%	mg/g	%
Guaiol ⁽²⁾	0.004	ND	ND
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
Valencene ⁽²⁾	0.004	ND	ND
alpha-Thujone ⁽²⁾	0.004	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
Citronellol ⁽²⁾	0.009	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⁾	0.009	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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Strain: Formula 1

Product Category: Buds

Water Activity by Water Activity Meter / NCTLM SOP-508 / Date Tested - 12/17/2024

Analyte	LOQ	M.A.C. 420	Result	Status
	Aw	Aw Limit	Aw	
Water Activity		0.65	0.4422	Passed



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