



Certificate of Analysis

1 of 3

ICAL ID:
Sample: MI24120921-092
GMO Bud
Strain: GMO
Category: Plant

Havi Consortium
Lic. # AU-G-C-001083
33842 88th Ave.
Lawton, MI 49065
Lic. #

Batch#:
Primary Size:
Total/Batch Size: 10016
Collected: 12/09/2024; Received: 12/09/2024
Completed: 12/13/2024

METRC Sample: 1A405030003A662000000939; METRC Batch: 1A405030003A662000000936

Moisture 9.3%	Total THC 28.13%	Total CBD 0.10%	Total Cannabinoids 34.64%	Total Terpenes 1.79900%
Water Activity 0.409 aw				

Summary	SOP Used	Date Tested	
Batch		12/12/2024	Pass
Cannabinoids	SOP:Flow-003	12/11/2024	Pass
Moisture		12/10/2024	9.3%
Water Activity		12/11/2024	Pass - 0.409 aw
Terpenes	SOP:Flow-001	12/11/2024	Complete
Microbials	MIC-004	12/12/2024	Pass
Pesticides	PEST.002.Flower	12/11/2024	Pass
Heavy Metals	HM-004		Pass
Foreign Matter			Pass
Homogeneity			Not Tested
Average THC			N/A
Average CBD			N/A
THC % SD			N/A
CBD % SD			N/A
Weight % SD			N/A



Scan to see results

Cannabinoid Profile

Analyte	LOQ	LOD	Limit %	%	mg/g	Status	Analyte	LOQ	LOD	Limit %	%	mg/g	Status
THCa	0.01	0.00		31.99	319.9	Tested	CBN	0.01	0.00		0.04	0.4	Tested
Δ9-THC	0.02	0.00		0.08	0.8	Tested	CBGa	0.01	0.00		1.74	17.4	Tested
Δ8-THC	0.01	0.00	10.00	ND	ND	Pass	CBG	0.01	0.00		0.07	0.7	Tested
THCVa	0.01	0.00		0.15	1.5	Tested	CBCa	0.02	0.01		0.42	4.2	Tested
THCV	0.01	0.01		ND	ND	Tested	CBC	0.02	0.01		ND	ND	Tested
CBDa	0.01	0.00		0.11	1.1	Tested	CBCV	0.03	0.00		ND	ND	Tested
CBD	0.01	0.00		ND	ND	Tested	CBLa	0.01	0.00		ND	ND	Tested
CBDVa	0.02	0.00		ND	ND	Tested	CBL	0.01	0.00		ND	ND	Tested
CBDV	0.01	0.00		ND	ND	Tested	CBT	0.01	0.00		ND	ND	Tested
CBNa	0.01	0.00		0.03	0.3	Tested	Total THC				28.13	281.3	
							Total CBD				0.10	1.0	
							Total				34.64	346.4	

Total THC = (THCa * 0.877) + d8-THC + d9-THC; Total CBD = CBDa * 0.877 + CBD; NR = Not Reported, ND = Not Detected, *Reported by Dry Mass*; *analytical instrumentation used Cannabinoids:UHPLC-DAD, Moisture:Loss on Drying, Water Activity:Water Activity Meter, Foreign Material:Microscope* CBC,CBCa,CBCV,CBDV,CBDVa,CBGa,CBL,CBLa,CBNA,CBT,THCV,THCVA have not been evaluated by the CRA and are for informational purposes only.

Terpene Profile

Analyte	LOQ	%	Analyte	LOQ	%	Analyte	LOQ	%
Limonene	0.00030	0.49900	Fenchone	0.00050	0.00300	δ-3-Carene	0.00020	ND
β-Myrcene	0.00050	0.45200	p-Cymene	0.00040	0.00300	Eucalyptol	0.00060	ND
β-Caryophyllene	0.00100	0.22800	Citronellol	0.00050	0.00200	Geraniol	0.00030	ND
Valencene	0.00050	0.22500	γ-Terpinene	0.00020	0.00100	Geranyl Acetate	0.00050	ND
β-Pinene	0.00020	0.08800	α-Cedrene	0.00050	ND	Isoborneol	0.00050	ND
α-Humulene	0.00030	0.08100	α-Phellandrene	0.00040	ND	Menthol	0.00050	ND
Fenchol	0.00050	0.05000	α-Terpinene	0.00020	ND	Nerol	0.00050	ND
α-Pinene	0.00050	0.04600	β-Eudesmol	0.00050	ND	Nerolidol	0.00040	ND
α-Bisabolol	0.00080	0.03900	Camphor	0.00050	ND	(-)-Guaïol	0.00040	ND
α-Terpineol	0.00050	0.03500	Caryophyllene Oxide	0.00030	ND	Phytol	0.00050	ND
Linalool	0.00040	0.02300	Cedrol	0.00050	ND	trans-Nerolidol	0.00040	ND
Camphene	0.00030	0.01500	cis-Nerolidol	0.00050	ND	trans-Ocimene	0.00020	ND
Terpinolene	0.00020	0.00900	cis-Ocimene	0.00030	ND	Total		1.7990

Other Analyte(s):

NR= Not Reported thus no analysis was performed, ND= Not Detected thus the concentration is less then the Limit of Quantification (LOQ), *analytical instrumentation used:HS-GC-MS*



Infinite Chemical Analysis Labs MI, LLC
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David Egerton
Laboratory Director
12/13/2024

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Pesticides

Pass

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	PPM			PPM	PPM	PPM	PPM	
Abamectin	0.099	0.250	0.500	ND	Pass	Hexythiazox	0.002	0.030	1.000	ND	Pass
Acephate	0.006	0.030	0.400	ND	Pass	Imazalil	0.004	0.030	0.200	ND	Pass
Acequinocyl	0.006	0.030	2.000	ND	Pass	Imidacloprid	0.003	0.030	0.400	ND	Pass
Acetamiprid	0.004	0.030	0.200	ND	Pass	Kresoxim Methyl	0.006	0.030	0.400	ND	Pass
Aldicarb	0.002	0.030	0.400	ND	Pass	Malathion	0.005	0.030	0.200	ND	Pass
Azoxystrobin	0.014	0.042	0.200	ND	Pass	Metaxyl	0.006	0.030	0.200	ND	Pass
Bifenazate	0.006	0.030	0.200	ND	Pass	Methiocarb	0.003	0.030	0.200	ND	Pass
Bifenthrin	0.010	0.030	0.200	ND	Pass	Methomyl	0.006	0.050	0.400	ND	Pass
Boscalid	0.016	0.030	0.400	ND	Pass	Methyl	0.011	0.033	0.200	ND	Pass
Carbaryl	0.005	0.030	0.200	ND	Pass	Parathion					
Carbofuran	0.007	0.030	0.200	ND	Pass	MGK-264	0.014	0.043	0.200	ND	Pass
Chlorantraniliprole	0.004	0.030	0.200	ND	Pass	Myclobutanil	0.002	0.030	0.200	ND	Pass
Chlorfenapyr	0.028	0.085	1.000	ND	Pass	Naled	0.034	0.100	0.500	ND	Pass
Chlorpyrifos	0.003	0.030	0.200	ND	Pass	Oxamyl	0.006	0.030	1.000	ND	Pass
Clofentezine	0.009	0.030	0.200	ND	Pass	Paclobutrazol	0.007	0.030	0.400	ND	Pass
Cyfluthrin	0.028	0.085	1.000	ND	Pass	Permethrins	0.025	0.075	0.200	ND	Pass
Cypermethrin	0.032	0.095	1.000	ND	Pass	Phosmet	0.008	0.030	0.200	ND	Pass
Daminozide	0.012	0.040	1.000	ND	Pass	Prallethrin	0.011	0.033	0.200	ND	Pass
Diazinon	0.004	0.030	0.200	ND	Pass	Propiconazole	0.008	0.030	0.400	ND	Pass
Dichlorvos	0.021	0.063	1.000	ND	Pass	Propoxur	0.004	0.030	0.200	ND	Pass
Dimethoate	0.006	0.030	0.200	ND	Pass	Pyrethrins	0.036	0.150	1.000	ND	Pass
Ethoprophos	0.010	0.030	0.200	ND	Pass	Pyridaben	0.003	0.030	0.200	ND	Pass
Etofenprox	0.005	0.030	0.400	ND	Pass	Spinosad	0.006	0.021	0.200	ND	Pass
Etoxazole	0.008	0.030	0.200	ND	Pass	Spiromesifen	0.005	0.030	0.200	ND	Pass
Fenoxycarb	0.009	0.030	0.200	ND	Pass	Spirotetramat	0.012	0.099	0.200	ND	Pass
Fenpyroximate	0.002	0.030	0.400	ND	Pass	Spiroxamine	0.002	0.030	0.400	ND	Pass
Fipronil	0.010	0.030	0.400	ND	Pass	Tebuconazole	0.005	0.030	0.400	ND	Pass
Flonicamid	0.005	0.030	1.000	ND	Pass	Thiacloprid	0.004	0.030	0.200	ND	Pass
Fludioxonil	0.005	0.030	0.400	ND	Pass	Thiamethoxam	0.003	0.030	0.200	ND	Pass
						Trifloxystrobin	0.008	0.030	0.200	ND	Pass

NR= Not Reported thus no analysis was performed, ND= Not Detected thus the concentration is less then the Limit of Quantification (LOQ) , *analytical instrumentation used:LC-MSMS & GC-MSMS*



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Residual Solvent Analysis

Analytes	LOQ	LOD	Limit	Status	Analytes	LOQ	LOD	Limit	Status
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Heavy Metal Screening

		LOQ	LOD	Limit	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	<LOQ	0.0344	0.01015	0.4	Pass
Cadmium	<LOQ	0.00493	0.00164	0.4	Pass
Chromium	ND	0.15555	0.05185	1.2	Pass
Copper	11.260	0.01918	0.00639		Tested
Lead	ND	0.01719	0.00573	1	Pass
Mercury	0.018	0.0138	0.00346	0.2	Pass
Nickel	0.078	0.04768	0.01589	1	Pass

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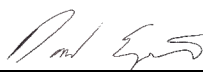
Microbiological Screening

	Result	Status
Aspergillus	CFU/g	
Coliforms	Not Detected	Pass
shiga toxin-producing E. coli	ND	Pass
Salmonella	Not Detected	Pass
Yeast & Mold	Not Detected	Pass
	ND	Pass

ND=Not Detected; *analytical instrumentation used:qPCR*



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