



Certificate of Analysis

1 of 3

ICAL ID:
Sample: MI24052814-055
Grape Cream Cake Bud
Strain: Grape Cream Cake
Category: Plant

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

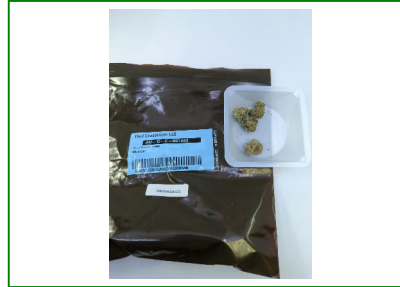
Batch#:
Primary Size:
Total/Batch Size: 3130
Collected: 05/28/2024; Received: 05/28/2024
Completed: 06/01/2024

METRC Sample: 1A405030003A662000000646; METRC Batch: 1A405030003A662000000643

Moisture 9.5%	Total THC 24.41%	Total CBD 0.08%	Total Cannabinoids 30.97%	Total Terpenes 1.13900%
Water Activity 0.417 aw				

Summary

	SOP Used	Date Tested	
Batch			Pass
Cannabinoids	SOP:Flow-003	05/29/2024	Complete
Moisture		05/30/2024	9.5%
Water Activity		05/29/2024	Pass - 0.417 aw
Terpenes	SOP:Flow-001	05/29/2024	Complete
Microbials	MIC-004	05/31/2024	Pass
Pesticides	PEST.002.Flower	05/29/2024	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	%	mg/g	Analyte	LOQ	LOD	%	mg/g
THCa	0.01	0.00	27.70	277.0	CBN	0.01	0.00	ND	ND
Δ9-THC	0.02	0.00	0.12	1.2	CBGa	0.01	0.00	2.57	25.7
Δ8-THC	0.01	0.00	ND	ND	CBG	0.01	0.00	0.08	0.8
THCVa	0.01	0.00	0.08	0.8	CBCa	0.02	0.01	0.33	3.3
THCV	0.01	0.01	ND	ND	CBC		0.01	ND	ND
CBDa	0.01	0.00	0.10	1.0	CBCV	0.03	0.00	ND	ND
CBD	0.01	0.00	ND	ND	CBLa	0.01	0.00	ND	ND
CBDVa	0.02	0.00	ND	ND	CBL	0.01	0.00	ND	ND
CBDV	0.01	0.00	ND	ND	CBT	0.01	0.00	ND	ND
CBNa	0.01	0.00	<1	<1	Total THC			24.41	244.1
					Total CBD			0.08	0.8
					Total			30.97	309.7

Total THC=THCa * 0.877 + 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	0.24000	Cedrol	0.00050	0.01500	cis-Ocimene	0.00030	0.00100
β-Caryophyllene	0.00100	0.21400	β-Myrcene	0.00050	0.01300	Citronellol	0.00050	0.00100
Linalool	0.00040	0.12300	Camphene	0.00030	0.01200	γ-Terpinene	0.00020	0.00100
Valencene	0.00050	0.09700	Geranyl Acetate	0.00050	0.00600	α-Cedrene	0.00050	ND
α-Humulene	0.00030	0.07800	Fenchone	0.00050	0.00500	Camphor	0.00050	ND
β-Pinene	0.00020	0.05900	Geraniol	0.00030	0.00300	δ-3-Carene	0.00020	ND
(-)-Guaiaol	0.00040	0.05600	Terpinolene	0.00020	0.00300	Isoborneol	0.00050	ND
Fenchol	0.00050	0.04700	trans-Ocimene	0.00020	0.00300	Menthol	0.00050	ND
β-Eudesmol	0.00050	0.04500	cis-Nerolidol	0.00050	0.00200	Nerol	0.00050	ND
α-Terpineol	0.00050	0.03700	Eucalyptol	0.00060	0.00200	Phytol	0.00050	ND
α-Pinene	0.00050	0.03300	Nerolidol		0.00200	p-Cymene	0.00040	ND
α-Bisabolol	0.00080	0.02400	α-Phellandrene	0.00040	0.00100	trans-Nerolidol	0.00040	ND
Caryophyllene Oxide	0.00030	0.01700	α-Terpinene	0.00020	0.00100	Total		1.1390

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*



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David Egerton
Laboratory Director
06/01/2024

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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	0.003	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	0.006	0.030	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

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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	0.049	0.0344	0.01015	0.4	Pass
Cadmium	0.075	0.00493	0.00164	0.4	Pass
Chromium	ND	0.15555	0.05185	1.2	Pass
Copper	7.821	0.01918	0.00639		Tested
Lead	ND	0.01719	0.00573	1	Pass
Mercury	ND	0.0138	0.00346	0.2	Pass
Nickel	0.148	0.04768	0.01589	1	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:ICP-MS*, R&D Metals testing is performed against Vape Concentrate limits, as required by Metrc

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
	1000	Pass

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



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