



Certificate of Analysis

ICAL ID: MI24061908-028
Sample: MI24061908-028
MBAF - Restfulness Grape CBN Gummies - HEMP
Strain: Restfulness Grape CBN Gummies
Category: Ingestible

Ann Arbor Farms
Lic. # AU-P-000418
1260 N. Main St
Ann Arbor, MI 48104
Lic. #

Batch#:
Primary Size:
Total/Batch Size:
Collected: 06/19/2024; Received: 06/19/2024
Completed: 06/24/2024

METRC Sample: 1A405050003DDD9000000010; METRC Batch: 1A405050003DDD9000000008

Moisture NT Water Activity 0.596 aw	Δ 9-THC ND	CBD 241.85 mg/unit	Total Cannabinoids 487.05 mg/unit	Total Terpenes NT
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Summary	SOP Used	Date Tested	
Batch			Pass
Cannabinoids	SOP:Edib-003	06/20/2024	Complete
Water Activity		06/21/2024	Pass - 0.596 aw
Residual Solvents	SOP:Edib-003	06/20/2024	Pass
Microbials	MIC-004	06/23/2024	Pass
Pesticides	PEST.002 Edible	06/20/2024	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



Cannabinoid Profile

1 Unit = mg/unit, 50 g.

Analyte	LOQ	LOD	%	mg/g	mg/unit	Analyte	LOQ	LOD	%	mg/g	mg/unit
THCa	0.65	0.20	ND	ND	ND	CBN	0.25	0.08	0.488	4.88	244.15
Δ 9-THC	0.25	0.08	ND	ND	ND	CBGa	0.45	0.15	ND	ND	ND
Δ 8-THC	0.35	0.11	<1	<1	<1	CBG	0.45	0.13	ND	ND	ND
THCVa	0.70	0.10	ND	ND	ND	CBCa	0.75	0.08	ND	ND	ND
THCV	0.20	0.23	ND	ND	ND	CBC	0.60	0.18	ND	ND	ND
CBDa	0.35	0.11	ND	ND	ND	CBCV	0.25	0.07	ND	ND	ND
CBD	0.30	0.09	0.484	4.84	241.85	CBLa	0.15	0.05	ND	ND	ND
CBDVa	0.35	0.10	ND	ND	ND	CBL	0.95	0.28	ND	ND	ND
CBDV	0.20	0.06	0.002	0.02	1.05	CBT	0.40	0.10	ND	ND	ND
CBNa	0.30	0.12	ND	ND	ND	Total			0.974	9.74	487.05

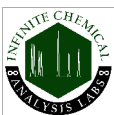
Total THC=THCa * 0.877 + d9-THC; Total CBD = CBDa * 0.877 + CBD; NR= Not Reported, ND= Not Detected, *Reported by Dry Mass*; *analytical instrumentation used Cannabinoids:UHPLC-DAD, Moisture:Loss on Drying,Water Activity:Water Activity Meter, Foreign Material:Microscope* CBC,CBCa,CBCV,CBDV,CBDVa,CBGa,CBL,CBLa,CBNa,CBT,THCV,THCVA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

Terpene Profile

Analyte	LOQ	%	Analyte	LOQ	%	Analyte	LOQ	%
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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
06/24/2024

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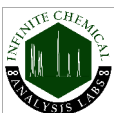
METRC Sample: 1A405050003DDD900000010; METRC Batch: 1A405050003DDD900000008

Pesticides

Pass

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	PPM			PPM	PPM	PPM	PPM	
Abamectin	0.090	0.250	0.500	ND	Pass	Hexythiazox	0.004	0.030	1.000	ND	Pass
Acephate	0.006	0.030	0.400	ND	Pass	Imazalil	0.005	0.030	0.200	ND	Pass
Acequinocyl	0.012	0.036	2.000	ND	Pass	Imidacloprid	0.003	0.030	0.400	ND	Pass
Acetamiprid	0.004	0.030	0.200	ND	Pass	Kresoxim Methyl	0.005	0.030	0.400	ND	Pass
Aldicarb	0.004	0.030	0.400	ND	Pass	Malathion	0.003	0.030	0.200	ND	Pass
Azoxystrobin	0.004	0.030	0.200	ND	Pass	Metalaxyl	0.003	0.030	0.200	ND	Pass
Bifenazate	0.003	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	0.005	0.030	0.400	ND	Pass
Boscalid	0.011	0.030	0.400	ND	Pass	Methyl	0.012	0.036	0.200	ND	Pass
Carbaryl	0.002	0.030	0.200	ND	Pass	Parathion	0.012	0.036	0.200	ND	Pass
Carbofuran	0.005	0.030	0.200	ND	Pass	MGK-264	0.016	0.047	0.200	ND	Pass
Chlorantraniliprole	0.005	0.030	0.200	ND	Pass	Myclobutanil	0.004	0.030	0.200	ND	Pass
Chlorfenapyr	0.038	0.113	1.000	ND	Pass	Naled	0.007	0.030	0.500	ND	Pass
Chlorpyrifos	0.006	0.030	0.200	ND	Pass	Oxamyl	0.006	0.030	1.000	ND	Pass
Clofentezine	0.011	0.033	0.200	ND	Pass	Pacllobutrazol	0.012	0.036	0.400	ND	Pass
Cyfluthrin	0.024	0.074	1.000	ND	Pass	Permethrins	0.025	0.075	0.200	ND	Pass
Cypermethrin	0.027	0.080	1.000	ND	Pass	Phosmet	0.007	0.030	0.200	ND	Pass
Daminozide	0.005	0.030	1.000	ND	Pass	Prallethrin	0.006	0.030	0.200	ND	Pass
Diazinon	0.002	0.030	0.200	ND	Pass	Propiconazole	0.004	0.030	0.400	ND	Pass
Dichlorvos	0.010	0.030	1.000	ND	Pass	Propoxur	0.004	0.030	0.200	ND	Pass
Dimethoate	0.004	0.030	0.200	ND	Pass	Pyrethrins	0.015	0.108	1.000	ND	Pass
Ethoprophos	0.003	0.030	0.200	ND	Pass	Pyridaben	0.003	0.030	0.200	ND	Pass
Etofenprox	0.003	0.030	0.400	ND	Pass	Spinosad	0.040	0.100	0.200	ND	Pass
Etoxazole	0.001	0.030	0.200	ND	Pass	Spiromesifen	0.003	0.030	0.200	ND	Pass
Fenoxycarb	0.010	0.030	0.200	ND	Pass	Spirotetramat	0.007	0.090	0.200	ND	Pass
Fenpyroximate	0.005	0.030	0.400	ND	Pass	Spiroxamine	0.003	0.030	0.400	ND	Pass
Fipronil	0.007	0.030	0.400	ND	Pass	Tebuconazole	0.003	0.030	0.400	ND	Pass
Fonicamid	0.009	0.030	1.000	ND	Pass	Thiacloprid	0.004	0.030	0.200	ND	Pass
Fludioxonil	0.009	0.030	0.400	ND	Pass	Thiamethoxam	0.003	0.030	0.200	ND	Pass
						Trifloxystrobin	0.004	0.030	0.200	ND	Pass

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Primary Size:
Total/Batch Size:
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Completed: 06/24/2024

METRC Sample: 1A405050003DDD900000010; METRC Batch: 1A405050003DDD900000008

Residual Solvent Analysis

Analytes	LOQ	LOD	Limit	Status	Analytes	LOQ	LOD	Limit	Status		
	µg/g	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g	µg/g		
1,2-Dichloro-Ethane	ND	0.36	0.12	5	Pass	Ethylene Oxide	ND	3.92	1.31	50	Pass
Acetone	<LOQ	120	26	5000	Pass	Heptanes	ND	1.57	0.52	5000	Pass
Acetonitrile	ND	12	0.94	410	Pass	Hexanes	ND	9.7	0.32	290	Pass
Benzene	ND	0.31	0.1	2	Pass	Isopropanol	<LOQ	20	2.58	5000	Pass
Butanes	ND	2.82	0.94	5000	Pass	Methanol	57.333	50	4.87	3000	Pass
Chloroform	ND	0.6	0.2	60	Pass	Pentanes	ND	1.33	0.44	5000	Pass
Dichloromethane	ND	1.39	0.46	600	Pass	Propane	ND	4.67	1.56	5000	Pass
Ethanol	849.109	25	4.39	5000	Pass	Toluene	ND	1.11	0.37	890	Pass
Ethyl-Acetate	7.921	1.5	0.5	5000	Pass	Trichloroethene	ND	0.28	0.09	80	Pass
Ethyl-Ether	ND	1.35	0.45	5000	Pass	Xylenes	ND	0.83	0.28	2170	Pass

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Heavy Metal Screening

	LOQ	LOD	Limit	Status	
µg/g	µg/g	µg/g	µg/g		
Arsenic	ND	0.0344	0.01015	1.5	Pass
Cadmium	ND	0.00493	0.00164	0.5	Pass
Chromium	0.181	0.15555	0.05185	2	Pass
Copper	0.093	0.01918	0.00639		Tested
Lead	ND	0.01719	0.00573	0.5	Pass
Mercury	ND	0.0138	0.00346	3	Pass
Nickel	<LOQ	0.04768	0.01589		Tested

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

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



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