



License #: MMTC-2019-0018
 Order #: 86135
 Retail Batch #: F5-HR1202311190001-BIG



CERTIFICATE OF ANALYSIS
 ISO/IEC: 17025:2017 Accreditation #: 103104
 License #: CMTL-0004

Harvest/Lot ID: F5-HR1202311190001-BIG

Seed-to-Sale #: F5-HR1202311190001-BIG

Order Information

Order #: 86135
 Order Name: Cookies - Hawaiian Rain - Indoor - 3.5g
 Retail Batch #: F5-HR1202311190001-BIG
 Received: 03/22/2024 18:41:43
 Complete: 03/31/2024 14:36:47

Batch Information

Create Date: 03/21/2024
 Exp. Date: 03/02/2025
 Size: 3,115
 Total Qty.: 890
 Matrix: Flower
 Pickup Weight: 28 g

MMTC Information

Cultivation Facility: Deland Facility
 Processing Facility: Deland Facility
 Cultivar(s): Hawaiian Rain

COMPLIANCE FOR RETAIL

CANNABINOID PROFILE TESTED	LABEL CLAIM NOT APPLICABLE	MICROBIAL ANALYSIS PASS
RESIDUAL SOLVENTS NOT TESTED	AGRICULTURAL AGENTS PASS	HEAVY METAL ANALYSIS PASS
TERPENES TOTAL TESTED	MOISTURE ANALYSIS PASS	WATER ACTIVITY PASS
FILTH & FOREIGN MATERIAL ANALYSIS PASS	HOMOGENEITY NOT TESTED	MYCOTOXIN ANALYSIS PASS



19.2283 %
Total THC

0.0000 %
Total CBD

22.4884 %
Total Cannabinoids

Diana Asensio, M.S.

Lab Director



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Sample Prep

Tech: 4090
 SOP: 418
 Batch Number: 62541
 Batch Date: 03/24/2024 13:53:43

Sample Analysis

Date/Time: 03/26/2024 14:35:45
 Tech: 3445
 SOP: 417
 Final Weight: 0.5055 g
 Volume: 40 ml

CANNABINOID PROFILE
 HPLC-DAD **TESTED**

19.2283 % Total THC	96.141 mg THC Per Unit	672.990 mg THC Per Pkg
ND Total CBD	ND CBD Per Unit	ND CBD Per Pkg
22.4884 % Total Cannabinoids	112.443 mg Cannabinoids Per Unit	787.094 mg Cannabinoids Per Pkg

Cannabinoid Potency

ANALYTE	LOD/LOQ (mg/g)	DIL.	ACTUAL %	DRY WT. %	MG/G	MG/UNIT	MG/PACKAGE	LABEL CLAIM (mg)	% LABEL VAR.
CBC	0.129/0.3908	51	ND	ND	ND	ND	ND	--	--
CBD	0.129/0.3908	51	ND	ND	ND	ND	ND	--	--
CBDA	0.129/0.3908	51	ND	ND	ND	ND	ND	--	--
CBDV	0.129/0.3908	51	ND	ND	ND	ND	ND	--	--
CBG	0.129/0.3908	51	0.070	0.082	0.698	0.349	2.443	--	--
CBGA	0.129/0.3908	51	0.563	0.659	5.626	2.813	19.691	--	--
CBN	0.129/0.3908	51	ND	ND	ND	ND	ND	--	--
d8-THC	0.129/0.3908	51	ND	ND	ND	ND	ND	--	--
d9-THC	0.129/0.3908	51	0.492	0.577	4.923	2.462	17.230	--	--
THCA	0.129/0.3908	51	21.364	25.042	213.637	106.819	747.730	--	--
THCV	0.129/0.3908	51	ND	ND	ND	ND	ND	--	--

mg/unit = 0.5 (g) per unit x cannabinoid concentration (mg/g)
 Dry Weight % = Wet % / ((100 - Moisture Value) / 100)
 Total THC = THC + (0.877 x THCA) and Total CBD = CBD + (0.877 x CBDA)
 ND = Not Detected, NT = Not Tested, <LOQ = Below Limit of Quantitation

CANNABINOID TOTALS	ACTUAL %	DRY WEIGHT %	MG/G	MG/UNIT	MG/PACKAGE
Total THC	19.228	22.539	192.283	96.141	672.990
Total CBD	ND	ND	ND	ND	ND
Total Cannabinoids	22.488	26.361	224.884	112.443	787.094

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Cookies

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Agricultural Agents

GC-MS/MS

PASS

Sample Prep

Tech: 4090
 SOP: 402
 Batch Number: 62519
 Batch Date: 03/21/2024 17:36:09

Sample Analysis

Date/Time: 03/27/2024 11:57:09
 Tech: 2816
 SOP: 402
 Final Weight: 0.4863 g
 Volume: 10 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LEVEL (ppm)	RESULTS (ppm)
Captan	0.07/0.1	1	0.7	ND
Chlordane	0.01/0.1	1	0.1	ND
Chlorfenapyr	0.01/0.1	1	0.1	ND
Coumaphos	0.01/0.1	1	0.1	ND
Cyfluthrin	0.01/0.1	1	0.5	ND
Cypermethrin	0.01/0.1	1	0.5	ND
Methyl parathion	0.01/0.1	1	0.1	ND
Pentachloronitrobenzene	0.01/0.1	1	0.15	ND

MYCOTOXIN ANALYSIS

LC-MS/MS

PASS

Sample Prep

Tech: 4090
 SOP: 432
 Batch Number: 62540
 Batch Date: 03/24/2024 13:28:38

Sample Analysis

Date/Time: 03/25/2024 15:23:34
 Tech: 3445
 SOP: 424
 Final Weight: 0.101 g
 Volume: 2.5 ml

ANALYTE	LOD/LOQ (ppb)	DIL.	ACTION LEVEL (ppb)	RESULTS (ppb)
Aflatoxin B1	2/10	1	20	ND
Aflatoxin B2	2/10	1	20	ND
Aflatoxin G1	2/10	1	20	ND
Aflatoxin G2	2/5	1	20	ND
Ochratoxin A	2/10	1	20	ND

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Agricultural Agents
 LC-MS/MS **PASS**

Sample Prep

Tech: 4090
 SOP: 432
 Batch Number: 62540
 Batch Date: 03/24/2024 13:28:38

Sample Analysis

Date/Time: 03/25/2024 15:23:34
 Tech: 3445
 SOP: 424
 Final Weight: 0.101 g
 Volume: 2.5 ml

ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LEVEL(ppm)	RESULTS (ppm)	ANALYTE	LOD/LOQ (ppm)	DIL.	ACTION LIMIT(ppm)	RESULTS (ppm)
Abamectin B1a	0.002/0.035	1	0.1	ND	Imazalil	0.002/0.01	1	0.1	ND
Acephate	0.002/0.04	1	0.1	ND	Imidacloprid	0.002/0.002	1	0.4	ND
Acequinocyl	0.002/0.002	1	0.1	ND	Kresoxim-methyl	0.002/0.002	1	0.1	ND
Acetamiprid	0.002/0.002	1	0.1	ND	Malathion	0.01/0.04	1	0.2	ND
Aldicarb	0.002/0.01	1	0.1	ND	Metalaxyl	0.002/0.004	1	0.1	ND
Azoxystrobin	0.002/0.04	1	0.1	ND	Methiocarb	0.002/0.01	1	0.1	ND
Bifenazate	0.002/0.002	1	0.1	ND	Methomyl	0.002/0.002	1	0.1	ND
Bifenthrin	0.002/0.002	1	0.1	ND	Mevinphos	0.009/0.036	1	0.1	ND
Boscalid	0.01/0.05	1	0.1	ND	Myclobutanil	0.002/0.04	1	0.1	ND
Carbaryl	0.002/0.004	1	0.5	ND	Naled	0.002/0.01	1	0.25	ND
Carbofuran	0.002/0.01	1	0.1	ND	Oxamyl	0.002/0.002	1	0.5	ND
Chlorantraniliprole	0.002/0.01	1	1	ND	Paclobutrazol	0.002/0.004	1	0.1	ND
Chlormequat chloride	0.002/0.004	1	1	ND	Permethrins	0.002/0.01	1	0.1	ND
Chlorpyrifos	0.002/0.01	1	0.1	ND	Phosmet	0.002/0.002	1	0.1	ND
Clofentezine	0.002/0.002	1	0.2	ND	Piperonyl Butoxide	0.002/0.002	1	3	ND
Daminozide	0.01/0.04	1	0.1	ND	Prallethrin	0.002/0.01	1	0.1	ND
Diazinon	0.002/0.01	1	0.1	ND	Propiconazole	0.002/0.04	1	0.1	ND
Dichlorvos	0.002/0.04	1	0.1	ND	Propoxur	0.002/0.01	1	0.1	ND
Dimethoate	0.002/0.002	1	0.1	ND	Pyrethrins	0.001/0.013	1	0.5	ND
Dimethomorph	0.001/0.002	1	0.2	ND	Pyridaben	0.002/0.002	1	0.2	ND
Ethoprophos	0.002/0.01	1	0.1	ND	Spinetoram	0.001/0.003	1	0.2	ND
Etofenprox	0.002/0.002	1	0.1	ND	Spinosad	0.001/0.001	1	0.1	ND
Etoxazole	0.002/0.002	1	0.1	ND	Spiromesifen	0.002/0.002	1	0.1	ND
Fenhexamid	0.01/0.04	1	0.1	ND	Spirotetramat	0.002/0.01	1	0.1	ND
Fenoxycarb	0.002/0.004	1	0.1	ND	Spiroxamine	0.002/0.04	1	0.1	ND
Fenpyroximate	0.002/0.002	1	0.1	ND	Tebuconazole	0.01/0.04	1	0.1	ND
Fipronil	0.002/0.004	1	0.1	ND	Thiacloprid	0.002/0.002	1	0.1	ND
Flonicamid	0.002/0.01	1	0.1	ND	Thiamethoxam	0.002/0.01	1	0.5	ND
Fludioxonil	0.002/0.004	1	0.1	ND	Trifloxystrobin	0.002/0.002	1	0.1	ND
Hexythiazox	0.002/0.004	1	0.1	ND					

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TERPENES TOTAL
 GC-FID **TESTED (2.100 %)**

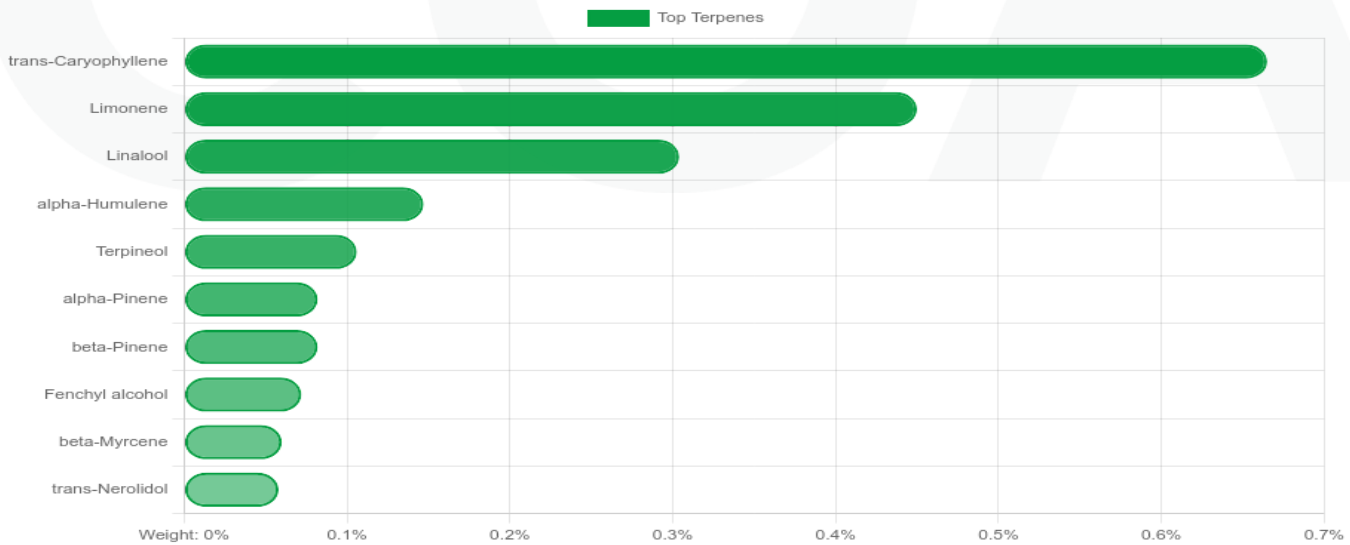
Sample Prep

Tech: 4090
 SOP: 421
 Batch Number: 62520
 Batch Date: 03/21/2024 17:36:33

Sample Analysis

Date/Time: 03/26/2024 15:48:21
 Tech: 2816
 SOP: 419
 Final Weight: 0.4246 g
 Volume: 10 ml

TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)	TERPENE	LOD/LOQ (%)	DIL.	RESULTS (%)
3-Carene	0.001/0.003	1	ND	Geraniol	0.001/0.003	1	0.004
alpha-Bisobolol	0.001/0.003	1	ND	Geranyl acetate	0.001/0.003	1	ND
alpha-Cedrene	0.001/0.003	1	ND	Guaiol	0.001/0.003	1	ND
alpha-Humulene	0.001/0.003	1	0.147	Hexahydrothymol	0.001/0.003	1	<LOQ
alpha-Pinene	0.001/0.003	1	0.082	Isoborneol	0.001/0.003	1	ND
alpha-Terpinene	0.001/0.003	1	ND	Isopulegol	0.001/0.003	1	ND
beta-Myrcene	0.001/0.003	1	0.060	Limonene	0.001/0.003	1	0.450
beta-Pinene	0.001/0.003	1	0.082	Linalool	0.001/0.003	1	0.304
Borneol	0.001/0.003	1	0.015	Nerol	0.001/0.003	1	ND
Camphene	0.001/0.003	1	0.015	p-Mentha-1,5-diene	0.001/0.003	1	ND
Camphor	0.001/0.003	1	ND	Pulegone	0.001/0.003	1	ND
Caryophyllene oxide	0.001/0.003	1	0.008	Sabinene hydrate	0.001/0.003	1	ND
Cedrol	0.001/0.003	1	<LOQ	Terpineol	0.001/0.003	1	0.106
cis-Nerolidol	0.001/0.003	1	ND	Terpinolene	0.001/0.003	1	0.004
cis-Ocimene	0.001/0.003	1	ND	trans-Caryophyllene	0.001/0.003	1	0.665
Eucalyptol	0.001/0.003	1	ND	trans-Nerolidol	0.001/0.003	1	0.058
Fenchone	0.001/0.003	1	0.008	trans-Ocimene	0.001/0.003	1	0.020
Fenchyl alcohol	0.001/0.003	1	0.072	Valencene	0.001/0.003	1	ND
gamma-Terpinene	0.001/0.003	1	ND				



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COCA
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HEAVY METAL ANALYSIS
 ICP-MS **PASS**

Sample Prep

Tech: 3445
 SOP: 428
 Batch Number: 62545
 Batch Date: 03/25/2024 12:47:55

Sample Analysis

Date/Time: 03/25/2024 17:07:25
 Tech: 3445
 SOP: 428
 Final Weight: 0.2023 g
 Volume: 60 ml

ANALYTE	LOD/LOQ (ppb)	DIL.	ACTION LIMIT (ppb)	RESULTS (ppb)
Arsenic	20/75	1	200	ND
Cadmium	20/75	1	200	ND
Lead	20/75	1	500	ND
Mercury	20/75	1	200	ND

FILTH & FOREIGN MATERIAL ANALYSIS
 Result: **PASS**

Sample Prep and Analysis

Date/Time: 03/25/2024 19:46:51
 Tech: 4090
 SOP: 409
 Final Weight: 6.9307 g

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MICROBIAL ANALYSIS

PASS

Sample Prep

Tech: 1012
 SOP: 406

Batch Number: 62583
 Batch Date: 03/29/2024 15:15:41

Date/Time: 03/31/2024 10:43:45
 Tech: 4302
 SOP: 406

Sample Analysis

Final Weight: 1.0116 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total yeast and mold	qPCR	< 100,000 CFU/g	53,395	PASS

Sample Prep

Tech: 4302
 SOP: 406

Batch Number: 62532
 Batch Date: 03/22/2024 19:44:48

Date/Time: 03/25/2024 20:25:29
 Tech: 4302
 SOP: 406

Sample Analysis

Final Weight: 1.016 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Salmonella	qPCR	< 1 CFU/g	NOT DETECTED	PASS
STEC e. coli	qPCR	< 1 CFU/g	NOT DETECTED	PASS

Sample Prep

Tech: 4302
 SOP: 406

Batch Number: 62532
 Batch Date: 03/22/2024 19:44:48

Date/Time: 03/31/2024 10:35:21
 Tech: 4302
 SOP: 406

Sample Analysis

Final Weight: 1.016 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Aspergillus flavus	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus fumigatus	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus niger	qPCR	< 1 CFU/g	NOT DETECTED	PASS
Aspergillus terreus	qPCR	< 1 CFU/g	NOT DETECTED	PASS

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TOTAL CONTAMINANT LOAD (TCL)*

PASS

Heavy Metals: ND ppm
Agricultural Agents: ND ppm
Total: ND ppm

* Present above the LOD but below the acceptable limit

WATER ACTIVITY

Water Activity Meter
Water: 0.477 Aw

Sample Prep and Analysis

Date/Time: 03/25/2024 19:53:36
Tech: 4090
SOP: 407
Final Weight: 1.0565 g

MOISTURE ANALYSIS

Moisture: **14.69 %**

Sample Prep and Analysis

Date/Time: 03/26/2024 14:34:07
Tech: 4090
SOP: 411
Final Weight: 0.319 g

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