



License #: MMTC-2019-0018
 Order #: 85908
 Retail Batch #: F11-BHB1202310280003-PRL

Cookies

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

Order Information

Order #: 85908
 Order Name: Cookies - Berniehana Butter - Indoor - Joint - 0.75g
 Retail Batch #: F11-BHB1202310280003-PRL
 Received: 03/20/2024 18:25:47
 Complete: 03/28/2024 18:09:58

Harvest/Lot ID: F11-BHB1202310280003-PRL
 BHB1202310280003-PRL

Seed-to-Sale #: F11-

Batch Information

Create Date: 03/19/2024
 Exp. Date: 03/19/2025
 Size: 153
 Total Qty.: 204
 Matrix: Flower - Cured
 Pickup Weight: 25.5 g

MMTC Information

Cultivation Facility: Deland Facility
 Processing Facility: Deland Facility
 Cultivar(s): Berniehana Butter

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



15.5259 %
Total THC

0.0000 %
Total CBD

18.5044 %
Total Cannabinoids

Diana Asensio, M.S.

Lab Director

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Sample Prep

Tech: 3393
 SOP: 418
 Batch Number: 62510
 Batch Date: 03/20/2024 12:30:47

Sample Analysis

Date/Time: 03/22/2024 18:00:00
 Tech: 3445
 SOP: 417
 Final Weight: 0.5283 g
 Volume: 40 ml

CANNABINOID PROFILE
 HPLC-DAD **TESTED**

15.5259 % Total THC	116.444 mg THC Per Unit	116.444 mg THC Per Pkg
ND Total CBD	ND CBD Per Unit	ND CBD Per Pkg
18.5044 % Total Cannabinoids	138.784 mg Cannabinoids Per Unit	138.784 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	0.098	0.112	0.977	0.733	0.733	--	--
CBGA	0.129/0.3908	51	0.797	0.915	7.970	5.978	5.978	--	--
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	0.668	0.767	6.684	5.013	5.013	--	--
THCA	0.129/0.3908	51	16.941	19.444	169.413	127.060	127.060	--	--
THCV	0.129/0.3908	51	ND	ND	ND	ND	ND	--	--

mg/unit = 0.75 (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	15.526	17.819	155.259	116.444	116.444
Total CBD	ND	ND	ND	ND	ND
Total Cannabinoids	18.504	21.238	185.044	138.784	138.784

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Agricultural Agents

GC-MS/MS

PASS

Sample Prep

Tech: 3393
 SOP: 402
 Batch Number: 62505
 Batch Date: 03/20/2024 11:59:45

Sample Analysis

Date/Time: 03/22/2024 13:16:04
 Tech: 3445
 SOP: 402
 Final Weight: 0.4906 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: 3393
 SOP: 432
 Batch Number: 62506
 Batch Date: 03/20/2024 12:02:37

Sample Analysis

Date/Time: 03/24/2024 13:42:40
 Tech: 1012
 SOP: 424
 Final Weight: 0.1055 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: 3393
 SOP: 432
 Batch Number: 62506
 Batch Date: 03/20/2024 12:02:37

Sample Analysis

Date/Time: 03/24/2024 13:42:40
 Tech: 1012
 SOP: 424
 Final Weight: 0.1055 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 (0.892 %)**

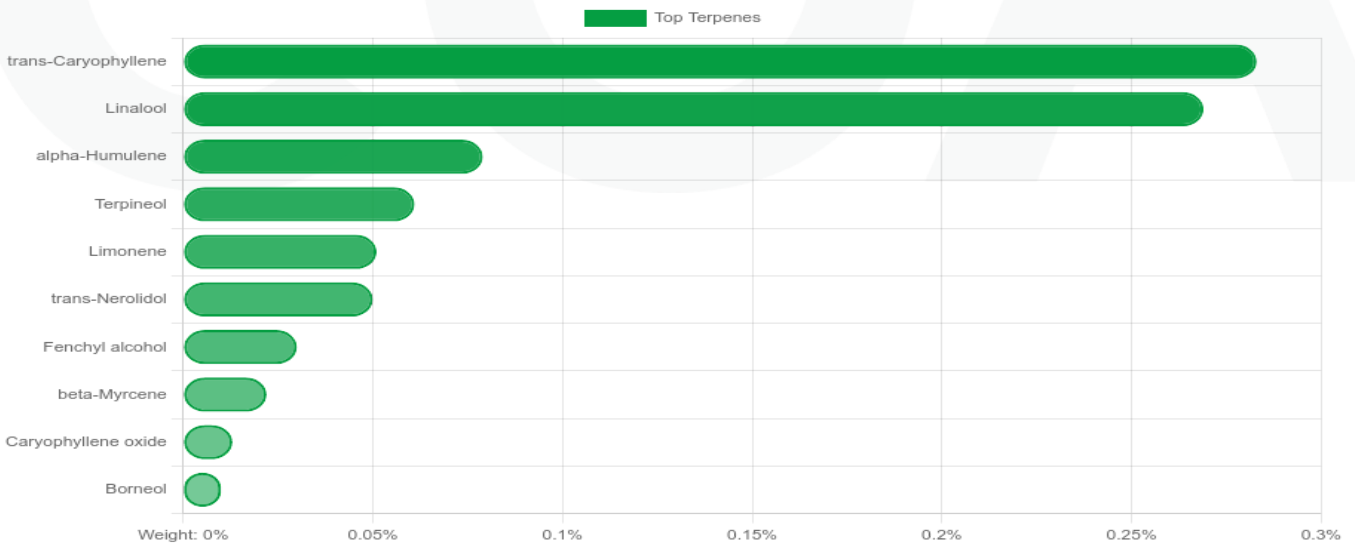
Sample Prep

Tech: 3393
 SOP: 421
 Batch Number: 62507
 Batch Date: 03/20/2024 12:04:57

Sample Analysis

Date/Time: 03/22/2024 19:57:10
 Tech: 2816
 SOP: 419
 Final Weight: 0.3908 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	0.005
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	0.079	Hexahydrothymol	0.001/0.003	1	<LOQ
alpha-Pinene	0.001/0.003	1	0.004	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	0.022	Limonene	0.001/0.003	1	0.051
beta-Pinene	0.001/0.003	1	0.007	Linalool	0.001/0.003	1	0.269
Borneol	0.001/0.003	1	0.010	Nerol	0.001/0.003	1	ND
Camphene	0.001/0.003	1	<LOQ	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	0.013	Sabinene hydrate	0.001/0.003	1	ND
Cedrol	0.001/0.003	1	0.003	Terpineol	0.001/0.003	1	0.061
cis-Nerolidol	0.001/0.003	1	ND	Terpinolene	0.001/0.003	1	ND
cis-Ocimene	0.001/0.003	1	ND	trans-Caryophyllene	0.001/0.003	1	0.283
Eucalyptol	0.001/0.003	1	<LOQ	trans-Nerolidol	0.001/0.003	1	0.050
Fenchone	0.001/0.003	1	0.005	trans-Ocimene	0.001/0.003	1	ND
Fenchyl alcohol	0.001/0.003	1	0.030	Valencene	0.001/0.003	1	ND
gamma-Terpinene	0.001/0.003	1	ND				



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HEAVY METAL ANALYSIS
 ICP-MS **PASS**

Sample Prep

Tech: 2816
 SOP: 428
 Batch Number: 62527
 Batch Date: 03/22/2024 11:01:51

Sample Analysis

Date/Time: 03/22/2024 16:06:12
 Tech: 3445
 SOP: 428
 Final Weight: 0.2204 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: 03/21/2024 19:16:51
 Tech: 1012
 SOP: 409
 Final Weight: 14.1 g

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MICROBIAL ANALYSIS

PASS

Sample Prep

Tech: 1012
 SOP: 406

Batch Number: 62555
 Batch Date: 03/25/2024 17:48:59

Date/Time: 03/28/2024 17:53:05
 Tech: 4302
 SOP: 406

Final Weight: 1.0152 g

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total yeast and mold	qPCR	< 100,000 CFU/g	59,293	PASS

Sample Analysis

Sample Prep

Tech: 3358
 SOP: 406

Batch Number: 62508
 Batch Date: 03/20/2024 12:10:12

Date/Time: 03/22/2024 16:46:41
 Tech: 3358
 SOP: 406

Final Weight: 1.0199 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

Sample Analysis

Sample Prep

Tech: 3358
 SOP: 406

Batch Number: 62508
 Batch Date: 03/20/2024 12:10:12

Date/Time: 03/22/2024 16:46:41
 Tech: 3358
 SOP: 406

Final Weight: 1.0199 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

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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: 0.513 Aw

Sample Prep and Analysis

Date/Time: 03/21/2024 19:40:02
Tech: 1012
SOP: 407
Final Weight: 1.0130 g

MOISTURE ANALYSIS

Moisture: **12.87 %**

Sample Prep and Analysis

Date/Time: 03/21/2024 19:58:53
Tech: 1012
SOP: 411
Final Weight: 0.304 g

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