



License #: MMTC-2019-0018
 Order #: 85915
 Retail Batch #: F14-EMC1202311080003-BIG



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

Order Information

Order #: 85915
 Order Name: Mintz - Emergen C - Indoor - 3.5g
 Retail Batch #: F14-EMC1202311080003-BIG
 Received: 03/20/2024 18:30:51
 Complete: 04/01/2024 09:58:56

Harvest/Lot ID: F14-EMC1202311080003-BIG
 EMC1202311080003-BIG

Seed-to-Sale #: F14-

Batch Information

Create Date: 11/12/2023
 Exp. Date: 11/12/2024
 Size: 9,481

Total Qty.: 2,709
 Matrix: Flower - Cured
 Pickup Weight: 35 g

MMTC Information

Cultivation Facility: Deland Facility
 Processing Facility: Deland Facility

Cultivar(s): Emergen C

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



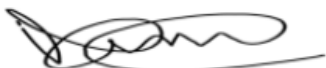
20.1884 %
Total THC

0.0410 %
Total CBD

23.5422 %
Total Cannabinoids

Diana Asensio, M.S.

Lab Director



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Sample Prep

Tech: 3445
 SOP: 418
 Batch Number: 62511
 Batch Date: 03/20/2024 12:36:31

Sample Analysis

Date/Time: 03/22/2024 13:03:57
 Tech: 3445
 SOP: 417
 Final Weight: 0.524 g
 Volume: 40 ml

CANNABINOID PROFILE
 HPLC-DAD **TESTED**

20.1884 % Total THC	100.942 mg THC Per Unit	706.594 mg THC Per Pkg
0.0410 % Total CBD	0.205 mg CBD Per Unit	1.435 mg CBD Per Pkg
23.5422 % Total Cannabinoids	117.711 mg Cannabinoids Per Unit	823.978 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	0.047	0.055	0.467	0.234	1.635	--	--
CBDV	0.129/0.3908	51	ND	ND	ND	ND	ND	--	--
CBG	0.129/0.3908	51	0.111	0.129	1.106	0.553	3.871	--	--
CBGA	0.129/0.3908	51	0.533	0.624	5.330	2.665	18.655	--	--
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	1.198	1.402	11.975	5.987	41.913	--	--
THCA	0.129/0.3908	51	21.654	25.347	216.544	108.272	757.904	--	--
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	20.188	23.632	201.884	100.942	706.594
Total CBD	0.041	0.048	0.410	0.205	1.435
Total Cannabinoids	23.542	27.557	235.422	117.711	823.978

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Agricultural Agents

GC-MS/MS

PASS

Sample Prep

Tech: 4090
 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: 0.5248 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: 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: 0.1044 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: 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: 0.1044 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 (3.408 %)**

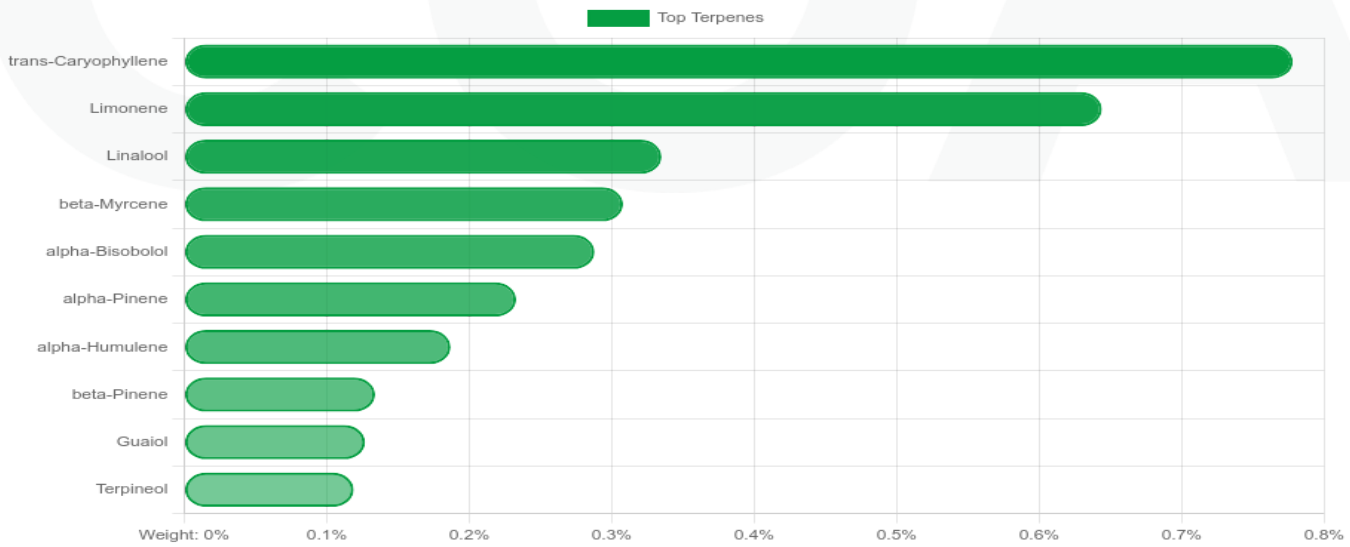
Sample Prep

Tech: 4090
 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: 0.3965 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	ND
alpha-Bisobolol	0.001/0.003	1	0.288	Geranyl acetate	0.001/0.003	1	ND
alpha-Cedrene	0.001/0.003	1	ND	Guaiol	0.001/0.003	1	0.127
alpha-Humulene	0.001/0.003	1	0.187	Hexahydrothymol	0.001/0.003	1	0.003
alpha-Pinene	0.001/0.003	1	0.233	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	0.308	Limonene	0.001/0.003	1	0.644
beta-Pinene	0.001/0.003	1	0.134	Linalool	0.001/0.003	1	0.335
Borneol	0.001/0.003	1	0.017	Nerol	0.001/0.003	1	ND
Camphene	0.001/0.003	1	0.017	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	ND	Terpineol	0.001/0.003	1	0.119
cis-Nerolidol	0.001/0.003	1	ND	Terpinolene	0.001/0.003	1	0.008
cis-Ocimene	0.001/0.003	1	<LOQ	trans-Caryophyllene	0.001/0.003	1	0.778
Eucalyptol	0.001/0.003	1	<LOQ	trans-Nerolidol	0.001/0.003	1	0.070
Fenchone	0.001/0.003	1	0.007	trans-Ocimene	0.001/0.003	1	0.049
Fenchyl alcohol	0.001/0.003	1	0.076	Valencene	0.001/0.003	1	ND
gamma-Terpinene	0.001/0.003	1	ND				



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COA
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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: 0.2526 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 19:18:33
 Tech: 1012
 SOP: 409
 Final Weight: 17.9 g

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MICROBIAL ANALYSIS

PASS

Sample Prep

Tech: 1012 Batch Number: 62579
 SOP: 406 Batch Date: 03/28/2024 14:59:44

Sample Analysis

Date/Time: 03/29/2024 18:31:00 Final Weight: 1.0051 g
 Tech: 4302
 SOP: 406

ANALYTE	TEST METHOD	ALLOWABLE CRITERIA	ACTUAL RESULT	PASS/FAIL
Total yeast and mold	qPCR	< 100,000 CFU/g	76.713	PASS

Sample Prep

Tech: 3358 Batch Number: 62508
 SOP: 406 Batch Date: 03/20/2024 12:10:12

Sample Analysis

Date/Time: 03/22/2024 16:46:41 Final Weight: 1.0198 g
 Tech: 3358
 SOP: 406

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 Prep

Tech: 3358 Batch Number: 62508
 SOP: 406 Batch Date: 03/20/2024 12:10:12

Sample Analysis

Date/Time: 03/22/2024 16:46:41 Final Weight: 1.0198 g
 Tech: 3358
 SOP: 406

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: 0.474 Aw

Sample Prep and Analysis

Date/Time: 03/21/2024 19:43:07
Tech: 1012
SOP: 407
Final Weight: 1.0362 g

MOISTURE ANALYSIS

Moisture: **14.57 %**

Sample Prep and Analysis

Date/Time: 03/24/2024 15:38:46
Tech: 4090
SOP: 411
Final Weight: 0.302 g

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