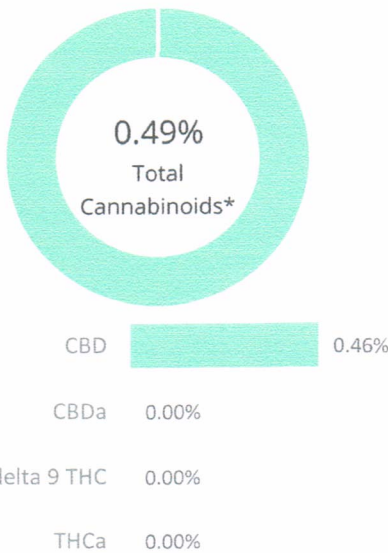


Gummies Composite Potency

Batch ID:	R&D220009/10/11	Test ID:	T000187734
Type:	Concentrate	Submitted:	01/17/2022 @ 11:40 AM
Test:	Potency	Started:	1/18/2022
Method:	TM14 (HPLC-DAD)	Reported:	1/19/2022

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.04	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.05	ND	ND
Cannabidiolic acid (CBDA)	0.05	ND	ND
Cannabidiol (CBD)	0.05	0.46	4.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	ND	ND
Cannabinolic Acid (CBNA)	0.03	ND	ND
Cannabinol (CBN)	0.01	ND	ND
Cannabigerolic acid (CBGA)	0.05	ND	ND
Cannabigerol (CBG)	0.01	0.03	0.3
Tetrahydrocannabivarinic Acid (THCVA)	0.04	ND	ND
Tetrahydrocannabivarin (THCV)	0.01	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	ND	ND
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.02	ND	ND
Cannabichromene (CBC)	0.02	ND	ND
Total Cannabinoids		0.49	4.9
Total Potential THC**		ND	ND
Total Potential CBD**		0.46	4.6

NOTES:

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total TH-C = THC + (THCa * (0.877)) and

Total CBD = CBD + (CBDa * (0.877))

ND = None Detected (Defined by Dynamic Range of the method)

FINAL APPROVAL



Jacob Miller
19-Jan-2022
5:28 PM



Daniel Weidensaul
19-Jan-2022
5:31 PM

PREPARED BY / DATE

APPROVED BY / DATE

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27728

Batch ID or Lot Number: C1026-001	Test: Residual Solvents	Reported: 11/15/21	
Matrix: N/A	Test ID: T000176017	Started: 11/15/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS); Residual Solvents (Colorado Panel)	Received: 11/12/2021 @ 10:52 AM	Sampler ID: N/A

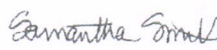
RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	84 - 1689	*ND	
Butanes (Isobutane, n-Butane)	170 - 3409	*ND	
Methanol	65 - 1301	*ND	
Pentane	86 - 1728	*ND	
Ethanol	99 - 1986	*ND	
Acetone	99 - 1979	*ND	
Isopropyl Alcohol	118 - 2369	*ND	
Hexane	6 - 122	*ND	
Ethyl Acetate	105 - 2094	*ND	
Benzene	0.2 - 4.1	*ND	
Heptanes	95 - 1899	*ND	
Toluene	20 - 393	*ND	
Xylenes (m,p,o-Xylenes)	157 - 3139	*ND	



 Hannah Wright
 15-Nov-21
 4:02 PM

PREPARED BY / DATE



 Sam Smith
 15-Nov-21
 4:08 PM

APPROVED BY / DATE

Definitions

* ND = None Detected (Defined by Dynamic Range of the method)

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Certificate #4329.02

27728

 Batch ID or Lot Number: **C1026-001** Test: **Pesticides** Reported: **11/17/21**

Matrix: Concentrate Test ID: T000176014 Started: 11/16/21 USDA License: N/A

Status: N/A Method: TM17(LC-QQ LC MS/MS): Received: 11/12/2021 @ 10:52 AM Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	38	ND	Fenoxycarb	33	ND	Paclobutrazol	34	ND
Acetamiprid	31	ND	Fipronil	36	ND	Permethrin	294	ND
Avermectin	238	ND	Flonicamid	35	ND	Phosmet	32	ND
Azoxystrobin	33	ND	Fludioxonil	297	ND	Prophos	269	ND
Bifenazate	33	ND	Hexythiazox	31	ND	Propoxur	37	ND
Boscalid	29	ND	Imazalil	270	ND	Pyridaben	293	ND
Carbaryl	32	ND	Imidacloprid	33	ND	Spinosad A	27	ND
Carbofuran	34	ND	Kresoxim-methyl	150	ND	Spinosad D	52	ND
Chlorantraniliprole	25	ND	Malathion	272	ND	Spiromesifen	256	ND
Chlorpyrifos	500	ND	Metaxyl	36	ND	Spirotetramat	273	ND
Clofentezine	288	ND	Methiocarb	34	ND	Spiroxamine 1	16	ND
Diazinon	279	ND	Methomyl	35	ND	Spiroxamine 2	20	ND
Dichlorvos	269	ND	MGK 264 1	151	ND	Tebuconazole	282	ND
Dimethoate	35	ND	MGK 264 2	112	ND	Thiacloprid	31	ND
E-Fenpyroximate	275	ND	Myclobutanil	30	ND	Thiamethoxam	35	ND
Etofenprox	32	ND	Naled	43	ND	Trifloxystrobin	33	ND
Etoazole	282	ND	Oxamyl	1500	ND			

Samantha Smith
 Sam Smith
 11/17/2021
 4:42:00 PM

Daniel Weidensaul
 Daniel Weidensaul
 11/17/2021
 5:02:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

 LOQ = Limit of Quantification
 ppb = Parts per Billion

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27728

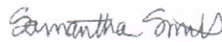
Batch ID or Lot Number: C1026-001	Test: Metals	Reported: 11/17/21	
Matrix: Unit Co	Test ID: T000176016	Started: 11/16/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS); Heavy Metals (Colorado Panel)	Received: 11/12/2021 @ 10:52 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.043 - 4.32	ND	
Cadmium	0.044 - 4.40	ND	
Mercury	0.043 - 4.34	ND	
Lead	0.042 - 4.23	ND	



Daniel Weidensaul
17-Nov-21
1:38 PM



Sam Smith
17-Nov-21
1:41 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

ND = None Detected (Defined by Dynamic Range of the method)



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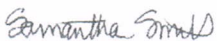
Certificate #4329.02

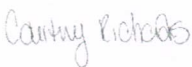
27728

Batch ID or Lot Number: C1026-001	Test: Mycotoxins	Reported: 11/18/21	
Matrix: Concentrate	Test ID: T000176018	Started: 11/17/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 11/12/2021 @ 10:52 AM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.4 - 136.1	ND	N/A
Aflatoxin B1	1 - 33.6	ND	
Aflatoxin B2	1 - 33.4	ND	
Aflatoxin G1	1 - 32.6	ND	
Aflatoxin G2	1 - 32.7	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 PREPARED BY / DATE
 Sam Smith
 18-Nov-21
 8:42 AM


 APPROVED BY / DATE
 Courtney Richards
 18-Nov-21
 4:45 PM

Definitions

ND = None Detected (Defined by Dynamic Range of the method)

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Certificate #4329.02

Green Apple Gummies Micros 220011

Batch ID or Lot Number: P633 - 220011	Test: Microbial Contaminants	Reported: 1/24/22	
Matrix: Finished Product	Test ID: T000188398	Started: 1/20/22	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 01/20/2022 @ 10:46 AM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	<LLOQ	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	



 Brett Hudson
 1/24/2022
 3:57:00 PM



 Jackson Osaghae-Nosa
 1/24/2022
 4:33:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

 Examples: 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU

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