

CERTIFICATE OF ANALYSIS

PRODUCT NAME:	Organic Strawberry Lemonade Gummies - Kosher Certified
PRODUCT STRENGTH:	25mg CBD / gummy
BATCH:	230228A
BEST BY DATE: HEMP	11/8/2024
EXTRACT LOT:	00849

Physical Attributes

Test	Method	Specification	Results
Color	Joy Internal	Medium Pink	PASS
Odor	Joy Internal	Sweet, strawberry, lemon	PASS
Appearance	Joy Internal	Medium pink gummies with sugar coating in child proof container	PASS
Primary Package Eval.	Joy Internal	Container clean and free of filth. Container caps tight and seals intact	PASS
Secondary Package Eval.	Joy Internal	Labeling Compliance Checked, Sufficient cushion material exists. Box taped and secure.	PASS

Review of Third-Party Analysis

Panel	Method	Specification	Results*	Pass/Fail
Potency - Total CBD	HPLC-UV DAD	*NLT 10 mg / gummy	29mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: <0.01% (broad spectrum)	ND	PASS
Expanded Pesticide Panel	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	Below LOQ	PASS
Microbial Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Absent	PASS
Microbial Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Absent	PASS
Microbial Yeast and Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 ² CFU/gram	Below LOQ	PASS
Microbial Total Coliforms*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 ² CFU/gram	Below LOQ	PASS
Microbial Total Aerobic Count*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10 ³ CFU/gram	Below LOQ	PASS
Heavy Metals Panel	ICP-MS	Arsenic (As): ≤1.5 ppm Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm	Below LOQ	PASS
Mycotoxins	ICP-MS	Total Aflatoxins <20 ppb† Afltoxin B1 < 5 ppb Ochratoxin < 5ppb	Below LOQ	PASS
Residual Solvents	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	Below LOQ	PASS

* *Level of Quantitation, † Parts Per Million ‡ Part Per Billion CFU/g=Colony Forming Units per Gram
* Nothing Less Than
10²=100 CFU
10³=1,000 CFU



2/28/2023

Quality Certified _____
Name Date

Organic 25mg Strawberry Lemonade CBD Gummy

Batch ID or Lot Number: 230228A	Test: Potency	Reported: 11Nov2022	USDA License: N/A
Matrix: Unit	Test ID: T000227391	Started: 10Nov2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 10Nov2022	Status: Active

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.288	0.828	ND	ND	# of Servings = 1 Sample Weight=3.3g
Cannabichromenic Acid (CBCA)	0.264	0.757	ND	ND	
Cannabidiol (CBD)	0.667	2.246	29.801	9.03	
Cannabidiolic Acid (CBDA)	0.684	2.304	ND	ND	
Cannabidivarin (CBDV)	0.158	0.531	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.285	0.961	ND	ND	
Cannabigerol (CBG)	0.164	0.470	3.299	1.00	
Cannabigerolic Acid (CBGA)	0.685	1.965	ND	ND	
Cannabinol (CBN)	0.214	0.613	ND	ND	
Cannabinolic Acid (CBNA)	0.467	1.341	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.816	2.341	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.741	2.126	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.656	1.884	ND	ND	
Tetrahydrocannabivarin (THCV)	0.149	0.428	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.579	1.662	ND	ND	
Total Cannabinoids			33.100	10.03	
Total Potential THC			ND	ND	
Total Potential CBD			29.801	9.03	

Final Approval



Karen Winternheimer
11Nov2022
08:29:00 AM MST

PREPARED BY / DATE



Sam Smith
11Nov2022
08:31:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/02b53feb-8145-4397-a788-ec283cac4664>

Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method).
Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa *(0.877)) and Total CBD = CBD + (CBDA *(0.877)).

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



Cert #4329.02

CDPHE Certified

02b53feb81454397a788ec283cac4664.1

Organic 25mg Strawberry Lemonade CBD Gummy

Batch ID or Lot Number: 230228A	Test, Test ID and Methods: Various	Matrix: Unit Co	Page 1 of 5
Reported: 15Nov2022	Started: 15Nov2022	Received: 10Nov2022	


Heavy Metals - Colorado Compliance


Test ID: T000227399

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.03	ND	
Cadmium	0.04 - 3.59	ND	
Mercury	0.03 - 3.47	ND	
Lead	0.03 - 3.30	ND	

Final Approval


PREPARED BY / DATE
Sam Smith
15Nov2022
04:31:00 PM MST


APPROVED BY / DATE
Karen Winternheimer
15Nov2022
04:34:00 PM MST

Organic 25mg Strawberry Lemonade CBD Gummy

Batch ID or Lot Number: 230228A	Test, Test ID and Methods: Various	Matrix: Unit Co	Page 2 of 5
Reported: 15Nov2022	Started: 15Nov2022	Received: 10Nov2022	


Pesticides


Test ID: T000227397

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	233 - 2680	ND		Malathion	286 - 2722	ND
Acephate	42 - 2790	ND		Metalaxyl	41 - 2723	ND
Acetamiprid	42 - 2741	ND		Methiocarb	41 - 2781	ND
Azoxystrobin	41 - 2709	ND		Methomyl	42 - 2765	ND
Bifenazate	40 - 2725	ND		MGK 264 1	165 - 1632	ND
Boscalid	44 - 2800	ND		MGK 264 2	116 - 1156	ND
Carbaryl	40 - 2744	ND		Myclobutanil	2 - 2790	ND
Carbofuran	40 - 2730	ND		Naled	41 - 2753	ND
Chlorantraniliprole	46 - 2754	ND		Oxamyl	40 - 2766	ND
Chlorpyrifos	26 - 2734	ND		Paclobutrazol	40 - 2700	ND
Clofentezine	275 - 2750	ND		Permethrin	176 - 2638	ND
Diazinon	282 - 2724	ND		Phosmet	42 - 2730	ND
Dichlorvos	280 - 2769	ND		Prophos	289 - 2765	ND
Dimethoate	40 - 2741	ND		Propoxur	39 - 2738	ND
E-Fenpyroximate	287 - 2735	ND		Pyridaben	302 - 2735	ND
Etofenprox	43 - 2694	ND		Spinosad A	34 - 2260	ND
Etoazole	296 - 2723	ND		Spinosad D	47 - 496	ND
Fenoxycarb	43 - 2734	ND		Spiromesifen	266 - 2752	ND
Fipronil	4 - 2728	ND		Spirotetramat	283 - 2727	ND
Flonicamid	51 - 2781	ND		Spiroxamine 1	18 - 1164	ND
Fludioxonil	296 - 2794	ND		Spiroxamine 2	23 - 1566	ND
Hexythiazox	38 - 2752	ND		Tebuconazole	284 - 2733	ND
Imazalil	282 - 2732	ND		Thiacloprid	42 - 2727	ND
Imidacloprid	49 - 2745	ND		Thiamethoxam	41 - 2750	ND
Kresoxim-methyl	42 - 2745	ND		Trifloxystrobin	43 - 2746	ND

Final Approval


 Karen Winternheimer
 15Nov2022
 12:24:00 PM MST
 PREPARED BY / DATE


 Sam Smith
 15Nov2022
 12:46:00 PM MST
 APPROVED BY / DATE

Organic 25mg Strawberry Lemonade CBD Gummy


Batch ID or Lot Number: 230228A	Test, Test ID and Methods: Various	Matrix: Unit Co	Page 3 of 5
Reported: 15Nov2022	Started: 15Nov2022	Received: 10Nov2022	

**Residual Solvents -
Colorado Compliance**


Test ID: T000227400
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	84 - 1674	ND	
Butanes (Isobutane, n-Butane)	171 - 3417	ND	
Methanol	59 - 1180	ND	
Pentane	95 - 1891	ND	
Ethanol	96 - 1917	>1917	
Acetone	98 - 1950	ND	
Isopropyl Alcohol	100 - 2001	ND	
Hexane	6 - 116	ND	
Ethyl Acetate	97 - 1948	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	102 - 2037	ND	
Toluene	18 - 356	ND	
Xylenes (m,p,o-Xylenes)	133 - 2658	ND	

Final Approval


Samantha Smith
15Nov2022
02:00:00 PM MST

PREPARED BY / DATE


Karen Winternheimer
15Nov2022
02:03:00 PM MST

APPROVED BY / DATE

Organic 25mg Strawberry Lemonade CBD Gummy


Batch ID or Lot Number: 230228A	Test, Test ID and Methods: Various	Matrix: Unit Co	Page 4 of 5
Reported: 15Nov2022	Started: 15Nov2022	Received: 10Nov2022	


Mycotoxins - Colorado Compliance

Test ID: T000227401
Methods: TM18 (UHPLC-QQQ)
LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	4.97 - 124.85	ND	N/A
Aflatoxin B1	0.91 - 31.13	ND	
Aflatoxin B2	1.00 - 31.23	ND	
Aflatoxin G1	1.03 - 31.60	ND	
Aflatoxin G2	1.09 - 31.26	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Samantha Smith
17Nov2022
01:49:00 PM MST
PREPARED BY / DATE


Karen Winternheimer
17Nov2022
01:53:00 PM MST
APPROVED BY / DATE


Microbial Contaminants - Colorado Compliance

Test ID: T000227398
Methods: TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
Salmonella	TM25: PCR	10 ⁰ CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval


Eden Thompson-Wright
17Nov2022
10:34:00 AM MST
PREPARED BY / DATE


Brett Hudson
18Nov2022
05:37:00 PM MST
APPROVED BY / DATE