

CERTIFICATE OF ANALYSIS

PRODUCT NAME: CBD:THC Gummies
PRODUCT STRENGTH: 25mg CBD + 5mg THC / gummy
BATCH: 230509A, 230523E, 230719D, 230825A
BEST BY DATE: 3/30/2025
HEMP EXTRACT LOT: JYOR3216441

Physical Attributes

Test	Method	Specification	Results
Color	Internal	Multicolored	PASS
Odor	Internal	Sweet	PASS
Appearance	Internal	Sugar Coated	PASS
Primary Package Eval.	Internal	Container clean and free of filth. Container caps tight and seals intact	PASS
Secondary Package Eval.	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 25 mg / gummy	30mg	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: <0.03% (full spectrum)	6.8mg	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† Aflatoxin 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 Manufacture*
 10²=100 CFU
 10³=1,000 CFU

Quality Certified



 Name

5/10/2023

Date


25mg CBD: 5mg THC Gummy - Orange


Batch ID or Lot Number: 230509A, 230523E, 230719D, 230825A	Test: Potency	Reported: 16Mar2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000238519	Started: 16Mar2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 14Mar2023	Status: Active

Cannabinoids

	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.006	0.020	ND	ND	
Cannabichromenic Acid (CBCA)	0.006	0.018	ND	ND	
Cannabidiol (CBD)	0.019	0.054	0.769	7.69	
Cannabidiolic Acid (CBDA)	0.019	0.055	ND	ND	
Cannabidivarin (CBDV)	0.004	0.013	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.008	0.023	ND	ND	
Cannabigerol (CBG)	0.004	0.011	ND	ND	
Cannabigerolic Acid (CBGA)	0.015	0.048	ND	ND	
Cannabinol (CBN)	0.005	0.015	ND	ND	
Cannabinolic Acid (CBNA)	0.010	0.033	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.018	0.057	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.016	0.052	0.171	1.71	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.014	0.046	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.010	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.013	0.040	ND	ND	
Total Cannabinoids			0.940	9.40	
Total Potential THC			0.171	1.71	
Total Potential CBD			0.769	7.69	

Final Approval


 Sam Smith
 16Mar2023
 01:17:00 PM MDT
 PREPARED BY / DATE


 Karen Winternheimer
 16Mar2023
 01:25:00 PM MDT
 APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/858905d5-e976-4944-adc3-a3a22c20a897>

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
 858905d5e9764944adc3a3a22c20a897.1

25mg CBD: 5mgTHC Gummy- Pineapple


Batch ID or Lot Number: 230509A, 230523E, 230719D, 230825A	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 5
Reported: 09Mar2023	Started: 08Mar2023	Received: 08Mar2023	


Cannabinoids - Colorado Compliance

Test ID: T000237852
Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.008	0.024	ND	ND	
Cannabichromenic Acid (CBCA)	0.007	0.022	ND	ND	
Cannabidiol (CBD)	0.024	0.065	0.751	7.51	
Cannabidiolic Acid (CBDA)	0.025	0.066	ND	ND	
Cannabidivarin (CBDV)	0.006	0.015	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.010	0.028	ND	ND	
Cannabigerol (CBG)	0.005	0.013	ND	ND	
Cannabigerolic Acid (CBGA)	0.019	0.056	ND	ND	
Cannabinol (CBN)	0.006	0.017	ND	ND	
Cannabinolic Acid (CBNA)	0.013	0.038	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.023	0.067	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.021	0.061	0.165	1.65	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.019	0.054	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.012	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.016	0.047	ND	ND	
Total Cannabinoids			0.916	9.16	
Total Potential THC			0.165	1.65	
Total Potential CBD			0.751	7.51	

Final Approval


Sam Smith
13Mar2023
01:26:00 PM MDT
PREPARED BY / DATE


Karen Winternheimer
13Mar2023
01:30:00 PM MDT
APPROVED BY / DATE

25mg CBD: 5mgTHC Gummy- Blueberry Lemonade



Batch ID or Lot Number: 230509A, 230523E, 230719D, 230825A	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 2 of 5
Reported: 17Mar2023	Started: 15Mar2023	Received: 15Mar2023	

Cannabinoids - Colorado Compliance

Test ID: T000238052
Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.007	0.022	ND	ND	
Cannabichromenic Acid (CBCA)	0.006	0.020	ND	ND	
Cannabidiol (CBD)	0.020	0.058	0.810	8.10	
Cannabidiolic Acid (CBDA)	0.021	0.060	ND	ND	
Cannabidivarin (CBDV)	0.005	0.014	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.009	0.025	ND	ND	
Cannabigerol (CBG)	0.004	0.012	ND	ND	
Cannabigerolic Acid (CBGA)	0.016	0.052	ND	ND	
Cannabinol (CBN)	0.005	0.016	ND	ND	
Cannabinolic Acid (CBNA)	0.011	0.035	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.020	0.062	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.018	0.056	0.174	1.74	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.016	0.050	ND	ND	
Tetrahydrocannabivarin (THCV)	0.004	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.014	0.044	ND	ND	
Total Cannabinoids			0.984	9.84	
Total Potential THC			0.174	1.74	
Total Potential CBD			0.810	8.10	

Final Approval

 K Winternheimer PREPARED BY / DATE	Karen Winternheimer 17Mar2023 12:00:00 PM MDT	 Samantha Smith APPROVED BY / DATE	Sam Smith 17Mar2023 12:02:00 PM MDT
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Heavy Metals - Colorado Compliance

Test ID: T000238055
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.42	ND	
Cadmium	0.04 - 4.40	ND	
Mercury	0.04 - 4.47	ND	
Lead	0.04 - 4.39	ND	

Final Approval

 Samantha Smith PREPARED BY / DATE	Sam Smith 20Mar2023 07:29:00 AM MDT	 K Winternheimer APPROVED BY / DATE	Karen Winternheimer 20Mar2023 07:36:00 AM MDT
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25mg CBD: 5mg THC Gummy

Batch ID or Lot Number: 2230509A, 230523E, 230719D, 230825A	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 1 of 5
Reported: 17Mar2023	Started: 15Mar2023	Received: 15Mar2023	


Pesticides


Test ID: T000238053

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	346 - 2771	ND		Malathion	302 - 2721	ND
Acephate	43 - 2762	ND		Metalaxyl	47 - 2729	ND
Acetamiprid	42 - 2731	ND		Methiocarb	44 - 2780	ND
Azoxystrobin	45 - 2755	ND		Methomyl	41 - 2736	ND
Bifenazate	47 - 2752	ND		MGK 264 1	168 - 1665	ND
Boscalid	40 - 2797	ND		MGK 264 2	119 - 1123	ND
Carbaryl	43 - 2752	ND		Myclobutanil	51 - 2791	ND
Carbofuran	43 - 2748	ND		Naled	48 - 2751	ND
Chlorantraniliprole	44 - 2821	ND		Oxamyl	42 - 2737	ND
Chlorpyrifos	46 - 2751	ND		Paclobutrazol	43 - 2747	ND
Clofentezine	279 - 2777	ND		Permethrin	273 - 2805	ND
Diazinon	280 - 2744	ND		Phosmet	41 - 2737	ND
Dichlorvos	242 - 2766	ND		Prophos	306 - 2757	ND
Dimethoate	43 - 2719	ND		Propoxur	44 - 2744	ND
E-Fenpyroximate	285 - 2726	ND		Pyridaben	298 - 2741	ND
Etofenprox	45 - 2804	ND		Spinosad A	34 - 2266	ND
Etoxazole	296 - 2715	ND		Spinosad D	51 - 495	ND
Fenoxycarb	44 - 2760	ND		Spiromesifen	287 - 2712	ND
Fipronil	50 - 2786	ND		Spirotetramat	273 - 2768	ND
Flonicamid	54 - 2797	ND		Spiroxamine 1	18 - 1190	ND
Fludioxonil	321 - 2737	ND		Spiroxamine 2	25 - 1568	ND
Hexythiazox	42 - 2718	ND		Tebuconazole	295 - 2754	ND
Imazalil	293 - 2758	ND		Thiacloprid	42 - 2730	ND
Imidacloprid	47 - 2711	ND		Thiamethoxam	43 - 2729	ND
Kresoxim-methyl	23 - 2792	ND		Trifloxystrobin	44 - 2761	ND

Final Approval


 Karen Winternheimer
 17Mar2023
 07:43:00 AM MDT
 PREPARED BY / DATE


 Sam Smith
 17Mar2023
 07:45:00 AM MDT
 APPROVED BY / DATE

25mg CBD: 5mgTHC Gummy

Batch ID or Lot Number: 230509A, 230523E, 230719D, 230825A	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 3 of 5
Reported: 17Mar2023	Started: 15Mar2023	Received: 15Mar2023	


Residual Solvents - Colorado Compliance

Test ID: T000238056


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	92 - 1838	ND	
Butanes (Isobutane, n-Butane)	191 - 3811	ND	
Methanol	57 - 1137	ND	
Pentane	94 - 1884	ND	
Ethanol	98 - 1954	ND	
Acetone	92 - 1845	ND	
Isopropyl Alcohol	96 - 1910	ND	
Hexane	6 - 115	ND	
Ethyl Acetate	94 - 1880	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	99 - 1974	ND	
Toluene	17 - 343	ND	
Xylenes (m,p,o-Xylenes)	124 - 2476	ND	

Final Approval

 Sam Smith
20Mar2023
01:16:00 PM MDT

PREPARED BY / DATE

 Karen Winternheimer
20Mar2023
01:19:00 PM MDT

APPROVED BY / DATE

25mg CBD: 5mgTHC Gummy

Batch ID or Lot Number: 230509A, 230523E, 230719D, 230825A	Test, Test ID and Methods: Various	Matrix: Concentrate	Page 4 of 5
Reported: 17Mar2023	Started: 15Mar2023	Received: 15Mar2023	

Microbial Contaminants - Colorado Compliance

Test ID: T000238054
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

 Brianne Maillot 19Mar2023 12:20:00 PM MDT	 Brett Hudson 20Mar2023 03:34:00 PM MDT
PREPARED BY / DATE	APPROVED BY / DATE

Mycotoxins - Colorado Compliance

Test ID: T000238057
Methods: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.21 - 129.32	ND	N/A
Aflatoxin B1	1.08 - 32.39	ND	
Aflatoxin B2	0.92 - 32.36	ND	
Aflatoxin G1	1.17 - 32.84	ND	
Aflatoxin G2	1.27 - 32.30	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval

 Sam Smith 22Mar2023 11:39:00 AM MDT	 Karen Winternheimer 22Mar2023 11:43:00 AM MDT
PREPARED BY / DATE	APPROVED BY / DATE