

	Q SOP.006.T7 five CBD Product Certificate of Analysis (CofA) Template		
	Revision:00		
	Revision Date: 07/01/2022		
	Last Edits BY: JENA Murray		
	Approval: Jena Murray		
	Approval Date: 07/05/2022		

PRODUCT INFO			
PRODUCT NAME	Five Full Spectrum Knock Out, High Potency Sleep Gummy, Blackberry, 50mgCBD/5mgTHC, 20ct	ITEM Number	F2GY0001
Lot Number	250311-56250	Amount Per Bottle:	20ct
Expiration Date:	09/2026	Storage Recommendation:	Room temperature, away from light
PHYSICAL QUALITIES			
STRENGTH	50mgCBD/5mgTHC / gummy	COLOR	Purple – Sugar coated
SIZE	20ct	ODOR	Fruity
ADDITIONAL INFO	n/a	FLAVOR	Blackberry

Test Performed:	PASS / FAIL
Potency:	Pass
Heavy Metals:	Pass
Mycotoxins:	Pass
Pesticides:	Pass
Residual Solvents:	Pass
Listeria Monocytogenes:	Pass
Pathogens:	Pass

Test Performed	Method	Specification	Result	Pass/Fail
L-Theanine	HPLC	≥ 100mg / gummy	126mg / gummy	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
CBD	UHPLC / DAD	≥ 50mg / gummy	60mg / gummy	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
THC	UHPLC / DAD	≥ 5mg / gummy	5.64mg / gummy	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Additional Minor Cannabinoids**	UHPLC / DAD	≥ 3mg / gummy	5.10mg / gummy	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Melatonin	HPLC	≤ 3mg / gummy	3.04mg / gummy	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Arsenic	ICP-MS	≤ 1500ppb	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Cadmium	ICP-MS	≤ 500ppb	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Lead	ICP-MS	≤ 500ppb	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Mercury	ICP-MS	≤ 3000ppb	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail



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Test Performed	Method	Specification	Result	Pass/Fail
Aflatoxin B1	LCMS	≤ 20 ppb	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Aflatoxin G1	LCMS	≤ 20 ppb	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Ochratoxin A	LCMS	≤ 20 ppb	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
E. Coli	USP2022	Absent	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Salmonella	USP2022	Absent	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	qPCR	Absent	Pass	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Listeria Monocytogenes	qPCR	Absent	NT	<input type="checkbox"/> Pass <input type="checkbox"/> Fail
Full Pesticide Panel (see attached results for each tested)	LCMS / GCMS	See attached results for Specification of each Pesticide tested	See attached	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail
Residual Solvents (see attached results for each tested)	GCMS	See attached results for Specification of each Residual Solvent tested	See Attached	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

NOTES:

n/a 03/25/2025 rcg

Released:

APPROVED

By Raquel Garza at 2:44 pm, Mar 25, 2025

Quality Assurance: _____ Date: _____

Certificate of Analysis

Produced: Mar 25, 2025

Sample: Five Full Spectrum Knock Out, High Potency Sleep Gummy, Blackberry, 50mgCBD/5mgTHC, 20ct (Edible Solid) • Client: Five CBD • Batch: Pass



Batch No.: 250311-56250
Matrix: Edible Solid
Category: Edible
Sample ID: ICC-250319-17-001
Collected on: Mar 19, 2025
Received on: Mar 19, 2025
Batch Size:
Sample Size:
Received By: Stephanie Paule
Package Size: 90.20 g
Serving Size: 4.51 g

Batch Result: Pass

Potency	Tested	Microbial	Pass
Alkaloids	Tested	Mycotoxins	Pass
Additives	Tested	Pesticides	Pass
Terpenes	Tested	Foreign	Pass
Solvents	Pass	Water Activity	Pass
Metals	Pass		

Cannabinoid Overview

Δ ⁹ -THC:	5.64 mg/srv
CBD:	60.0 mg/srv
Total Cannabinoids:	70.8 mg/srv
Sum of Cannabinoids:	71.0 mg/srv
Sum of Terpenes:	0.00 mg/srv

POT-INST-005: POT-INST-005: Potency

Analyte	Amt	Amt	LOD/LOQ (mg/g)	Pass/Fail	Analyte	Amt	Amt	LOD/LOQ (mg/g)	Pass/Fail
CBC	0.0230 %	0.23 mg/g	0.0273/0.0820	N/A	Total THC**	0.125 %	1.3 mg/g		N/A
CBD	1.33 %	13 mg/g	0.00836/0.0414	N/A	Total CBD**	1.33 %	13 mg/g		N/A
CBDA	ND	ND	0.0200/0.0600	N/A	CBD/Srv	60.0 mg			N/A
CBDV	0.00600 %	0.060 mg/g	0.00663/0.0414	N/A	Δ ⁹ -THC/Srv	5.64 mg			N/A
CBG	0.0593 %	0.59 mg/g	0.00944/0.0414	N/A	Total THC/Srv**	5.64 mg			N/A
CBGA	ND	ND	0.0147/0.0442	N/A	Total CBD/Srv**	60.0 mg			N/A
CBL	ND	ND	0.00652/0.0414	N/A	CBD/Pkg	1200 mg			N/A
CBN	0.0312 %	0.31 mg/g	0.00944/0.0414	N/A	Δ ⁹ -THC/Pkg	113 mg			N/A
CBT	ND	ND	0.0119/0.0414	N/A	Total THC/Pkg**	113 mg			N/A
Δ ⁸ -THC	ND	ND	0.00670/0.0414	N/A	Total CBD/Pkg**	1200 mg			N/A
Δ ⁹ -THC	0.125 %	1.3 mg/g	0.0111/0.0414	N/A	Total Cannabinoids**	1.57 %	16 mg/g		N/A
THCA	ND	ND	0.0152/0.0456	N/A	Total Cannabinoids/Pkg**	1420 mg			N/A
THCV	ND	ND	0.00512/0.0414	N/A	Total Cannabinoids/Srv**	71.0 mg			N/A

** Total Cannabinoids = Neutral Cannabinoids + (Acidic Cannabinoids * 0.877)
** Total THC = Delta-9-THC + (THCA x 0.877)
** Total CBD = CBD + (CBDA x 0.877)
NR= Not Reported, ND= Not Detected, *Reported by Dry Mass*; *analytical instrumentation used Cannabinoids: UHPLC-DAD, Moisture: Mass by Drying, Water Activity: Water Activity Meter, Foreign: Microscope*
*Density tested at a temperature range between 19-24 °C, *Water Activity tested at a humidity range between 0-90% Relative Humidity. All OA samples are sampled by the client, All California State Compliant samples sampled using SAMPL-SOP-001.

L-Theanine • Mar 20, 2025

Analyte	Amt (mg/srv)	Amt (mg/pkg)	Amt (%)	LOD/LOQ (mg/g)	Pass/Fail
L-Theanine	126	2520	2.79	0.0589/0.898	N/A
Compliance requirements for this test are taken from No Compliance regulations.					

SUPP-006: SUPP-006: Melatonin • Mar 20, 2025

Analyte	Limit	Amt (mg/srv)	Amt (mg/pkg)	Amt (%)	LOD/LOQ (mg/g)	Pass/Fail
Melatonin		3.04	60.8	0.0674	0.00800/0.0891	N/A
Compliance requirements for this test are taken from California Cannabis regulations.						

TERP-INST-003, TERP-PREP-001: TERP-INST-003, TERP-PREP-001: Terpene Testing by GC-MS • Mar 25, 2025

Analyte	Amt (%)	Amt	LOD/LOQ (mg/g)
Total Terpenes	ND	ND	
(-)-β-Citronellol	ND	ND	0.138/0.598
α-Bisabolol	ND	ND	0.0670/0.201
α-Cedrene	ND	ND	0.0410/0.151
α-Humulene	ND	ND	0.0100/0.151
α-Pinene	ND	ND	0.0260/0.151
α-Terpinene	ND	ND	0.0400/0.151
α-Terpineol	ND	ND	0.0160/0.154
β-Caryophyllene	ND	ND	0.197/0.608
β-Eudesmol	ND	ND	0.0500/0.154
β-Myrcene	ND	ND	0.0160/0.153
β-Pinene	ND	ND	0.0240/0.306
Borneol	ND	ND	0.0230/0.154
Camphene	ND	ND	0.0200/0.151
Camphor	ND	ND	0.0620/0.306
Caryophyllene Oxide	ND	ND	0.0640/0.602
Cedrol	ND	ND	0.0390/0.151
Compliance requirements for this test are taken from California Cannabis regulations.			

Analyte	Amt (%)	Amt	LOD/LOQ (mg/g)
cis-Nerolidol	ND	ND	0.0940/0.281
Δ ³ -Carene	ND	ND	0.0140/0.306
Eucalyptol	ND	ND	0.0720/0.215
Fenchol	ND	ND	0.0110/0.152
Fenchone	ND	ND	0.00700/0.151
γ-Terpinene	ND	ND	0.0290/0.152
Geraniol	ND	ND	0.108/0.609
Geranyl Acetate	ND	ND	0.0320/0.151
Guaiol	ND	ND	0.0840/0.253
Isoborneol	ND	ND	0.0200/0.151
Limonene	ND	ND	0.0960/0.306
Linalool	ND	ND	0.0290/0.154
Menthol	ND	ND	0.0330/0.151
p-Cymene	ND	ND	0.0380/0.155
Pulegone	ND	ND	0.0550/0.165
Terpinolene	ND	ND	0.0210/0.154
trans-Nerolidol	ND	ND	0.0570/0.170

Utah RS-PREP-001, Utah RS-INST-003: Utah RS-PREP-001, Utah RS-INST-003: Utah Residual Solvents by GC-MS • Mar 20, 2025

Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
1,2-Dimethoxyethane	100	ND	6.00/18.0	Pass
1,4-Dioxane	380	ND	12.9/38.6	Pass
1-Butanol	5000	ND	3.10/9.40	Pass
1-Pentanol	5000	ND	10.0/29.9	Pass
2,2-Dimethylbutane	290	ND	0.900/2.60	Pass
2,3-Dimethylbutane	290	ND	0.900/2.80	Pass
2-Butanol	5000	ND	9.60/28.7	Pass
2-Butanone	5000	ND	7.20/21.6	Pass
2-Ethoxyethanol	160	ND	3.90/11.6	Pass
2-Methylbutane	5000	ND	0.700/2.00	Pass
2-Methylpentane	290	ND	9.10/27.2	Pass
2-Propanol	5000	36.3	2.75/8.26	Pass
3-Methylpentane	290	ND	7.40/22.1	Pass
Acetone	5000	ND	36.8/110	Pass
Acetonitrile	410	6.97	0.258/0.772	Pass
Benzene	2	ND	0.0452/0.137	Pass
Butane	5000	ND	2.09/10.4	Pass
Cumene	70	ND	8.30/25.0	Pass
Cyclohexane	3880	ND	8.40/25.3	Pass
Dichloromethane	600	ND	4.00/11.9	Pass
Dimethyl sulfoxide	5000	ND	8.40/25.2	Pass
Ethanol	5000	ND	5.62/16.9	Pass
Compliance requirements for this test are taken from Utah Hemp regulations.				

Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Ethyl acetate	5000	ND	0.673/4.92	Pass
Ethylbenzene		ND	3.50/10.5	N/A
Ethylene glycol	620	ND	3.40/10.3	Pass
Ethylene oxide	50	ND	0.329/1.25	Pass
Ethyl ether	5000	ND	2.55/7.63	Pass
Heptane	5000	ND	1.48/6.15	Pass
Hexane	290	ND	0.142/0.605	Pass
Isopropyl acetate	5000	ND	4.10/12.4	Pass
Methanol	3000	< LOQ	6.39/19.2	Pass
Methylpropane	5000	ND	10.2/30.7	Pass
N,N-Dimethylacetamide	1090	ND	269/807	Pass
N,N-Dimethylformamide	880	ND	2.70/8.20	Pass
Pentane	5000	ND	2.07/9.19	Pass
Propane	5000	ND	9.54/28.6	Pass
Propanol	5000	ND	7.00/21.0	Pass
Pyridine	100	ND	19.6/58.6	Pass
Sulfolane	160	ND	22.9/68.7	Pass
Tetrahydrofuran	720	ND	6.20/18.6	Pass
Toluene	890	ND	0.189/1.86	Pass
o-Xylene		ND	0.217/1.84	N/A
p- and m-Xylene		ND	0.248/3.69	N/A
Total xylenes + Ethylbenzene	2170	ND		Pass

HM-PREP-001, HM-INST-003: HM-PREP-001, HM-INST-003: Heavy Metals Testing by ICP-MS • Mar 20, 2025

Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Arsenic	1.5	ND	0.00300/0.00900	Pass
Cadmium	0.5	ND	0.00100/0.00200	Pass
Compliance requirements for this test are taken from California Cannabis regulations.				

Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Lead	0.5	ND	0.00100/0.00400	Pass
Mercury	3	ND	0.00500/0.0140	Pass



MICRO-008, MICRO-PREP-001, MICRO-INST-001: MICRO-008, MICRO-PREP-001, MICRO-INST-001: PCR-Microbial (noninhalable) • Mar 20, 2025

Analyte	Amt	Pass/Fail	Analyte	Amt	Pass/Fail
Salmonella spp.	ND	Pass	Shiga toxin-producing E. coli	ND	Pass
Compliance requirements for this test are taken from California Cannabis regulations.					

PCR-Staphylococcus aureus/Pseudomonas aeruginosa • Mar 20, 2025

Analyte	Amt	Pass/Fail	Analyte	Amt	Pass/Fail
Pseudomonas aeruginosa	ND	N/A	Staphylococcus aureus	ND	N/A
Compliance requirements for this test are taken from Colorado Hemp regulations.					

MICR-001, MICR-003: MICR-001, MICR-003: Petrifilm-Aerobic • Mar 21, 2025

Analyte	Amt	Pass/Fail
Aerobic Bacteria	ND	Pass
Compliance requirements for this test are taken from Colorado Hemp regulations.		

MICR-004, MICR-006: MICR-004, MICR-006: Petrifilm-Rapid Yeast & Mold • Mar 21, 2025

Analyte	Amt (CFU/g)	Pass/Fail
Yeast & Mold	10.0	Pass
Compliance requirements for this test are taken from Colorado Hemp regulations.		

PESTMYCO-LC-PREP-001, PESTMYCO-LC-INST-004: PESTMYCO-LC-PREP-001, PESTMYCO-LC-INST-004: Mycotoxin Analysis by LC-MS/MS • Mar 20, 2025

Analyte	Limit (µg/kg)	Amt (µg/kg)	LOD/LOQ (µg/kg)	Pass/Fail	Analyte	Limit (µg/kg)	Amt (µg/kg)	LOD/LOQ (µg/kg)	Pass/Fail
Aflatoxin B1		ND	2.60/7.88	N/A	Aflatoxin G2		ND	1.89/5.72	N/A
Aflatoxin B2		ND	2.04/6.18	N/A	Aflatoxins	20	ND		Pass
Aflatoxin G1		ND	2.97/8.99	N/A	Ochratoxin A	20	ND	3.87/11.7	Pass

Compliance requirements for this test are taken from California Cannabis regulations.

PESTMYCO-LC-PREP-001, PESTMYCO-LC-INST-004: PESTMYCO-LC-PREP-001, PESTMYCO-LC-INST-004: Pesticide Analysis by LC-MS/MS • Mar 20, 2025

Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail	Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Abamectin	0.3	ND	0.0500/0.100	Pass	Imazalil	Any amt	ND	0.0156/0.0474	Pass
Acephate	5	ND	0.0164/0.0497	Pass	Imidacloprid	3	ND	0.0235/0.0711	Pass
Acequinocyl	4	ND	0.0194/0.0587	Pass	Kresoxim-methyl	1	ND	0.0125/0.0379	Pass
Acetamiprid	5	ND	0.0146/0.0442	Pass	Malathion	5	ND	0.0117/0.0354	Pass
Aldicarb	Any amt	ND	0.0216/0.0654	Pass	Metaxalyl	15	ND	0.0101/0.0306	Pass
Azoxystrobin	40	ND	0.00960/0.0291	Pass	Methiocarb	Any amt	ND	0.0156/0.0473	Pass
Bifenazate	5	ND	0.0115/0.0349	Pass	Methomyl	0.1	ND	0.0158/0.0479	Pass
Bifenthrin	0.5	ND	0.0130/0.0395	Pass	Mevinphos	Any amt	ND	0.0139/0.0423	Pass
Boscalid	10	ND	0.0197/0.0596	Pass	Myclobutanil	9	ND	0.0180/0.0546	Pass
Carbaryl	0.5	ND	0.0160/0.0486	Pass	Naled	0.5	ND	0.0170/0.0514	Pass
Carbofuran	Any amt	ND	0.00902/0.0300	Pass	Oxamyl	0.2	ND	0.0153/0.0465	Pass
Chlorantraniliprole	40	ND	0.0209/0.0632	Pass	Paclobutrazol	Any amt	ND	0.0132/0.0400	Pass
Chlorpyrifos	Any amt	ND	0.0176/0.0534	Pass	Permethrin	20	ND	0.00831/0.0300	Pass
Clofentezine	0.5	ND	0.0129/0.0389	Pass	Phosmet	0.2	ND	0.0125/0.0377	Pass
Coumaphos	Any amt	ND	0.0185/0.0559	Pass	Piperonylbutoxide	8	ND	0.00759/0.0300	Pass
Daminozide	Any amt	ND	0.0261/0.0791	Pass	Prallethrin	0.4	ND	0.0226/0.0685	Pass
Diazinon	0.2	ND	0.00645/0.0300	Pass	Propiconazole	20	ND	0.0195/0.0590	Pass
Dichlorvos	Any amt	ND	0.0223/0.0674	Pass	Propoxur	Any amt	ND	0.0155/0.0471	Pass
Dimethoate	Any amt	ND	0.0118/0.0356	Pass	Pyrethrins	1	ND	0.00431/0.0300	Pass
Dimethomorph	20	ND	0.0137/0.0416	Pass	Pyridaben	3	ND	0.0115/0.0350	Pass
Ethoprophos	Any amt	ND	0.0174/0.0528	Pass	Spinetoram	3	ND	0.00639/0.0300	Pass
Etofenprox	Any amt	ND	0.00849/0.0300	Pass	Spinosad	3	ND	0.00410/0.0300	Pass
Etoxazole	1.5	ND	0.00783/0.0300	Pass	Spiromesifen	12	ND	0.0137/0.0416	Pass
Fenhexamid	10	ND	0.0129/0.0392	Pass	Spirotetramat	13	ND	0.0134/0.0407	Pass
Fenoxycarb	Any amt	ND	0.0144/0.0435	Pass	Spiroxamine	Any amt	ND	0.0106/0.0320	Pass
Fenpyroximate	2	ND	0.00972/0.0300	Pass	Tebuconazole	2	ND	0.0144/0.0437	Pass
Fipronil	Any amt	ND	0.0148/0.0447	Pass	Thiacloprid	Any amt	ND	0.0139/0.0421	Pass
Flonicamid	2	ND	0.0268/0.0811	Pass	Thiamethoxam	4.5	ND	0.0181/0.0549	Pass
Fludioxonil	30	ND	0.0153/0.0464	Pass	Trifloxystrobin	30	ND	0.0102/0.0310	Pass
Hexythiazox	2	ND	0.0257/0.0778	Pass					

Compliance requirements for this test are taken from California Cannabis regulations.



Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail	Analyte	Limit (µg/g)	Amt (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Captan	5	ND	0.120/0.358	Pass	Cypermethrin	1	ND	0.0145/0.0435	Pass
Chlordane	Any amt	ND	0.0249/0.0747	Pass	Methyl parathion	Any amt	ND	0.00811/0.0243	Pass
Chlorfenapyr	Any amt	ND	0.0251/0.0753	Pass	Pentachloronitrobenzene	0.2	ND	0.0182/0.0545	Pass
Cyfluthrin	1	ND	0.0186/0.0558	Pass					

Compliance requirements for this test are taken from California Cannabis regulations.

Water Activity by Water Activity Meter • Mar 19, 2025

Analyte	Limit (Aw)	Amt (Aw)	Pass/Fail
Water Activity	0.85	0.554	Pass

Compliance requirements for this test are taken from California Cannabis regulations.

