SC Labs®

Hemp Quality Assurance Testing
CERTIFICATE OFANALYSIS

DATE ISSUED 05/15/2025

SAMPLE DETAILS

SAMPLE NAME: Full Spectrum Sleep Gummy
Infused, Solid Edible

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR
Business Name: Gotta Pharma
License Number:
Address:

SAMPLE DETAIL
Batch Number: 91641
Sample ID: 250505M004

Date Collected: 05/05/2025
Date Received: 05/05/2025
Batch Size:
Sample Size: 1.0 units
Unit Mass: 3.5575 grams per Unit
Serving Size:

Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: ***3.789 mg/unit***

Total CBD: ***56.934 mg/unit***

Sum of Cannabinoids: 84.46 mg/unit

Total Cannabinoids: 84.46 mg/unit

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:
Total THC = Δ9-THC + (THCa (0.877))
Total CBD = CBD + (CBDa (0.877))
Sum of Cannabinoids = Δ9-THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ8-THC + CBL + CBN
Total Cannabinoids = (Δ9-THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) +Δ8-THC + CBL + CBN

SAFETY ANALYSIS - SUMMARY

Δ9-THC per Unit: PASS
Pesticides: PASS
Mycotoxins: PASS
Residual Solvents: PASS
Heavy Metals: PASS
Foreign Material: PASS
Water Activity: PASS

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification:**California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.**

Decision Rule:**Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.**

References:**limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT), µg/g = ppm, µg/kg = ppb**

LQC verified by: Josh Antunovich
Job Title: Laboratory Director
Date: 05/15/2025

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 05/15/2025

Amendment to Certificate of Analysis 250505M004-001

Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).
Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: ***3.789 mg/unit***
Total THC (Δ9-THC+0.877*THCa)

TOTAL CBD: ***56.934 mg/unit***
Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS:84.46 mg/unit
Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ8-THC + CBL + CBN

TOTAL CBG: 1.007 mg/unit
Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND
Total THCV (THCV+0.877*THCVa)

TOTAL CBC: ND
Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: <LOQ
Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - **05/07/2025**

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	±0.5969	*16.004*	*1.6004*
CBN	0.001 / 0.007	±0.1812	*6.313*	*0.6313*
Δ9-THC	0.040 / 0.280	±0.0585	*1.065*	*0.1065*
CBG	0.002 / 0.006	±0.0137	*0.283*	*0.0283*
Δ8-THC	0.01 / 0.02	±0.003	*0.07*	*0.007*
CBDV	0.002 / 0.012	N/A	*<LOQ*	*<LOQ*
THCa	0.020 / 0.100	N/A	*ND*	*ND*
THCV	0.002 / 0.012	N/A	*ND*	*ND*
THCVa	0.002 / 0.019	N/A	*ND*	*ND*
CBDa	0.001 / 0.026	N/A	*ND*	*ND*
CBDVa	0.001 / 0.018	N/A	*ND*	*ND*
CBGa	0.002 / 0.007	N/A	*ND*	*ND*
CBL	0.003 / 0.010	N/A	*ND*	*ND*
CBC	0.003 / 0.010	N/A	*ND*	*ND*
CBCa	0.001 / 0.015	N/A	*ND*	*ND*
SUM OF CANNABINOIDS			*23.74 mg/g*	*2.374%*

Unit Mass: 3.5575 grams per Unit

Δ9-THC per Unit	110 per-package limit	*3.789 mg/unit*	*PASS*
Total THC per Unit		*3.789 mg/unit*	
CBD per Unit		*56.934 mg/unit*	
Total CBD per Unit		*56.934 mg/unit*	
Sum of Cannabinoids per Unit		*84.46 mg/unit*	
Total Cannabinoids per Unit		*84.46 mg/unit*	

Pesticide Analysis

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS).

***GC-MS utilized where indicated.**
Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

PESTICIDE TEST RESULTS - **05/14/2025** *PASS*

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT	
Abamectin	0.03 / 0.10	0.3	N/A	*ND*	*PASS*	*ND*
Acephate	0.02 / 0.07	5	N/A	*PASS*	*ND*	*PASS*
Acequinocyl	0.02 / 0.07	4	N/A	*ND*	*PASS*	*ND*
Acetamiprid	0.02 / 0.05	5	N/A	*PASS*	*ND*	*PASS*
Aldicarb	0.03 / 0.08	≥ LOD	N/A	*ND*	*PASS*	*ND*
Azoxystrobin	0.02 / 0.07	40	N/A	*PASS*	*ND*	*PASS*
Bifenazate	0.01 / 0.04	5	N/A	*ND*	*PASS*	*ND*
Bifenthrin	0.02 / 0.05	0.5	N/A	*PASS*		
Boscalid	0.03 / 0.09	10	N/A			
Captan	0.19 / 0.57	5	N/A			
Carbaryl	0.02 / 0.06	0.5	N/A			

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Pesticide Analysis Continued

PESTICIDE TEST RESULTS - **05/14/2025** continued PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Carbofuran	0.02 / 0.05	≥ LOD	N/A	ND	PASS
Chlorantraniliprole	0.04 / 0.12	40	N/A	PASS	ND
Chlordane*	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Chlorfenapyr*	0.03 / 0.10	≥ LOD	N/A	PASS	ND
Chlorpyrifos	0.02 / 0.06	≥ LOD	N/A	ND	PASS
Clofentezine	0.03 / 0.09	0.5	N/A	PASS	ND
Coumaphos	0.02 / 0.07	≥ LOD	N/A	ND	PASS
Cyfluthrin	0.12 / 0.38	1	N/A	PASS	ND
Cypermethrin	0.11 / 0.32	1	N/A	ND	PASS
Daminozide	0.02 / 0.07	≥ LOD	N/A	PASS	ND
Diazinon	0.02 / 0.05	0.2	N/A	ND	PASS
Dichlorvos (DDVP)	0.03 / 0.09	≥ LOD	N/A	PASS	ND
Dimethoate	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Dimethomorph	0.03 / 0.09	20	N/A	PASS	ND
Ethoprophos	0.03 / 0.10	≥ LOD	N/A	ND	PASS
Etofenprox	0.02 / 0.06	≥ LOD	N/A	PASS	ND
Etoxazole	0.02 / 0.06	1.5	N/A	ND	PASS
Fenhexamid	0.03 / 0.09	10	N/A	PASS	ND
Fenoxycarb	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Fenpyroximate	0.02 / 0.06	2	N/A	PASS	ND
Fipronil	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Flonicamid	0.03 / 0.10	2	N/A	PASS	ND
Fludioxonil	0.03 / 0.10	30	N/A	ND	PASS
Hexythiazox	0.02 / 0.07	2	N/A	PASS	ND
Imazalil	0.02 / 0.06	≥ LOD	N/A	ND	PASS
Imidacloprid	0.04 / 0.11	3	N/A		
Kresoxim-methyl	0.02 / 0.07	1	N/A		
Malathion	0.03 / 0.09	5	N/A		
Metalaxyl	0.02 / 0.07	15	N/A		
Methiocarb	0.02 / 0.07	≥ LOD	N/A		
Methomyl	0.03 / 0.10	0.1	N/A		
Mevinphos	0.03 / 0.09	≥ LOD	N/A		
Myclobutanil	0.03 / 0.09	9	N/A		
Naled	0.02 / 0.07	0.5	N/A		
Oxamyl	0.04 / 0.11	0.2	N/A		
Paclobutrazol	0.02 / 0.05	≥ LOD	N/A		
Parathion-methyl	0.03 / 0.10	≥ LOD	N/A		
Pentachloronitro-benzene (Quintozene)*	0.03 / 0.09	0.2	N/A	ND	PASS
Permethrin	0.04 / 0.12	20	N/A	ND	PASS
Phosmet	0.03 / 0.10	0.2	N/A	ND	PASS
Piperonyl Butoxide	0.02 / 0.07	8	N/A	ND	PASS

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Pesticide Analysis Continued

PESTICIDE TEST RESULTS - **05/14/2025** continued PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Prallethrin	0.03 / 0.08	0.4	N/A	ND	PASS
Propiconazole	0.02 / 0.07	20	N/A	ND	PASS
Propoxur	0.03 / 0.09	≥ LOD	N/A	ND	PASS
Pyrethrins	0.04 / 0.12	1	N/A	ND	PASS
Pyridaben	0.02 / 0.07	3	N/A	ND	PASS
Spinetoram	0.02 / 0.07	3	N/A	ND	PASS
Spinosad	0.02 / 0.07	3	N/A	ND	PASS
Spiromesifen	0.02 / 0.05	12	N/A	ND	PASS
Spirotetramat	0.02 / 0.06	13	N/A	ND	PASS
Spiroxamine	0.03 / 0.08	≥ LOD	N/A	ND	PASS
Tebuconazole	0.02 / 0.07	2	N/A	ND	PASS
Thiacloprid	0.03 / 0.10	≥ LOD	N/A	ND	PASS
Thiamethoxam	0.03 / 0.10	4.5	N/A	ND	PASS
Trifloxystrobin	0.03 / 0.08	30	N/A	ND	PASS

Mycotoxin Analysis

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

*Method:*QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

MYCOTOXIN TEST RESULTS - **05/14/2025** PASS

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (µg/kg)	RESULT (µg/kg)	RESULT
Aflatoxin B1	2.0 / 6.0		N/A	ND	
Aflatoxin B2	1.8 / 5.6		N/A	ND	
Aflatoxin G1	1.0 / 3.1		N/A	ND	
Aflatoxin G2	1.2 / 3.5		N/A	ND	
Ochratoxin A	6.3 / 19.2	20	N/A	ND	PASS
Total Aflatoxin		20		ND	PASS

Residual Solvents Analysis

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

*Method:*QSP 1204 - Analysis of Residual Solvents by GC-MS

RESIDUAL SOLVENTS TEST RESULTS - **05/14/2025** PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Propane	10 / 20	5000	N/A	ND PASS	
n-Butane	10 / 50	5000	N/A	ND PASS	
n-Pentane	20 / 50	5000	N/A	ND PASS	
n-Hexane	2 / 5	290	N/A	ND PASS	
n-Heptane	20 / 60	5000	N/A	ND PASS	
Benzene	0.03 / 0.09	1	N/A	ND PASS	
Toluene	7 / 21	890	N/A	ND PASS	
Total Xylenes	50 / 160	2170	N/A	ND PASS	
Methanol	50 / 200	3000	N/A	ND PASS	
Ethanol	20 / 50	5000	±3.2	111 PASS	

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Residual Solvents Analysis
Continued

RESIDUAL SOLVENTS TEST RESULTS - **05/14/2025** continued PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
2-Propanol (Isopropyl Alcohol)	10 / 40	5000	N/A	ND	PASS
Acetone	20 / 50	5000	N/A	ND	PASS
Ethyl Ether	20 / 50	5000	N/A	ND	PASS
Ethylene Oxide	0.3 / 0.8	1	N/A	ND	PASS
Ethyl Acetate	20 / 60	5000	N/A	ND	PASS
Chloroform	0.1 / 0.2	1	N/A	ND	PASS
Dichloromethane (Methylene Chloride)	0.3 / 0.9	1	N/A	ND	PASS
Trichloroethylene	0.1 / 0.3	1	N/A	ND	PASS
1,2-Dichloroethane	0.05 / 0.1	1	N/A	ND	PASS
Acetonitrile	2 / 7	410	N/A	ND	PASS

Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).
*Method:*QSP 1160 - Analysis of Heavy Metals by ICP-MS

HEAVY METALS TEST RESULTS - **05/15/2025** PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Arsenic	0.02 / 0.1	1.5	N/A	ND	PASS
Cadmium	0.02 / 0.05	0.5	N/A	ND	PASS
Lead	0.04 / 0.1	0.5	N/A	ND	PASS
Mercury	0.002 / 0.01	3	N/A	ND	PASS

Foreign Material Analysis

Visual analysis includes,butisnot limited to, sand, soil, cinders, dirt, mold, hair, insect fragments, and mammalian excreta.
*Method:*QSP 1226 - Analysis of Foreign Material in Cannabis and Cannabis Products

FOREIGN MATERIAL TEST RESULTS - **05/14/2025** PASS

COMPOUND	ACTION LIMIT	RESULT	RESULT
Hair Count Insect Fragment Count	> 1 per 3 grams	0.0	PASS
Mammalian Excreta Count Total	> 1 per 3 grams	0.0	PASS
Sample Area Covered by an Imbedded Foreign Material	> 1 per 3 grams	0.0	PASS
Total Sample Area Covered by Mold	>25%	None	PASS
Total Sample Area Covered by Sand, Soil, Cinders, or Dirt	>25%	None	PASS
	>25%	None	PASS

Water Activity Analysis

*Method:*QSP 1227 - Analysis of Water Activity in Cannabis and Cannabis Products

WATER ACTIVITY TEST RESULTS - **05/14/2025** *PASS*

COMPOUND	LOD/LOQ (Aw)	ACTION LIMIT (Aw)	MEASUREMENT UNCERTAINTY (Aw)	RESULT (Aw)	RESULT
Water Activity	0.030 / 0.15	0.85	±0.032	*0.66*	*PASS*

NOTES
Reason for Amendment: Add/Remove Test(s)

Certificate of Analysis

Sample Information

CTLA ID: 137574
Date Received: 5/16/2025
Sample Name: Full Spectrum Sleep
Lot Number: 91641
Customer: Factory 6

Analysis	Method	MDL Specification	Result	Units
Melatonin	HPLC	.01 ≥5	5.579	mg/serv

Serv=serving
Serving=1 gummy

5/20/2025

Specifications provided by the Customer. Results with an asteriskD (A*)T dEenote Specifications should be reQviueawlietyd Mbya nthaeg
This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Method Detection Limit. This document is not to be altered or reproduced except by the original authorizing body (CTLA)