SC Labs®

Hemp Quality Assurance Testing
CERTIFICATE OF ANALYSIS

DATE ISSUED 05/15/2023

SAMPLE NAME: Peanut Butter 300mg
Infused, Solid Edible

CULTIVATOR / MANUFACTURER
Business Name:
License Number:
Address:

DISTRIBUTOR / TESTED FOR
Business Name: Penelope's Bloom
License Number:
Address:

SAMPLE DETAIL
Batch Number: 23080
Sample ID: 230511N015

Date Collected: 05/11/2023
Date Received: 05/11/2023
Batch Size:
Sample Size: 1.0 units
Unit Mass: 453 grams per Unit
Serving Size: 15.1 grams per Serving

Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: Not Detected

Total CBD: 253.5894 mg/unit

Sum of Cannabinoids: 258.3006 mg/unit

Total Cannabinoids: 258.3006 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 = Δ^9-THC + (THCa (0.877))
Total CBD = CBD + (CBDa (0.877))
Sum of Cannabinoids = Δ^9-THC + THCa + CBD + CBDa + CBG + CBGa + THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^8-THC + CBL + CBN
Total Cannabinoids = (Δ^9-THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) + (CBDV+0.877*CBDVa) + Δ^8-THC + CBL + CBN

TERPENOID ANALYSIS - SUMMARY

39 TESTED, TOP 3 HIGHLIGHTED

Total Terpenoids: ND

SAFETY ANALYSIS - SUMMARY

Δ^9-THC per Unit: PASS

Δ^9-THC per Serving: PASS

Pesticides: PASS

Heavy Metals: 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)

LQC verified by: Yasmin Kakkar
Job Title: Senior Laboratory Analyst
Date: 05/15/2023

Approved by: Josh Wurzer
Job Title: Chief Compliance Officer
Date: 05/15/2023

Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

†Analytes not part of our ISO/IEC 17025 scope of accreditation.

Method: LA-SOP-101 Cannabinoid Analysis by HPLC-DAD

TOTAL THC: Not Detected
Total THC (Δ^9-THC+0.877*THCa)

TOTAL CBD: 253.5894 mg/unit
Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 258.3006 mg/unit
Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) + Δ^8-THC + CBL + CBN

TOTAL CBG: 1.3590 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: 2.3556 mg/unit
Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 05/13/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	*0.0010 / 0.0029*	*±0.00230*	0.5598	0.05598
CBDV	*0.0015 / 0.0046*	*±0.00003*	0.0052	0.00052
CBG	*0.0009 / 0.0028*	*±0.00001*	0.0030	0.00030
CBN	*0.0005 / 0.0021*	*±0.00000*	0.0022	0.00022
Δ^9-THC	*0.0014 / 0.0042*	*N/A*	ND	ND
Δ^8-THC	*0.0010 / 0.0029*	*N/A*	ND	ND
THCa	*0.0004 / 0.0021*	*N/A*	ND	ND
THCV	*0.0006 / 0.0021*	*N/A*	ND	ND
THCVa	*0.0008 / 0.0023*	*N/A*	ND	ND
CBDa	*0.0006 / 0.0021*	*N/A*	ND	ND
CBDVa	*0.0005 / 0.0021*	*N/A*	ND	ND
CBGa	*0.0007 / 0.0022*	*N/A*	ND	ND
CBL†	*0.0013 / 0.0045*	*N/A*	ND	ND
CBC	*0.0008 / 0.0025*	*N/A*	ND	ND
CBCa	*0.0005 / 0.0021*	*N/A*	ND	ND
SUM OF CANNABINOIDS			0.5702 mg/g	0.05702%

Unit Mass: 453 grams per Unit / Serving Size: 15.1 grams per Serving

Δ^9-THC per Unit	*110 per-package limit*	ND	PASS
Δ^9-THC per Serving		ND	PASS
Total THC per Unit		ND	
Total THC per Serving		ND	
CBD per Unit		253.5894 mg/unit	
CBD per Serving		8.4530 mg/serving	
Total CBD per Unit		253.5894 mg/unit	
Total CBD per Serving		8.4530 mg/serving	
Sum of Cannabinoids per Unit		258.3006 mg/unit	
Sum of Cannabinoids per Serving		8.6100 mg/serving	
Total Cannabinoids per Unit		258.3006 mg/unit	
Total Cannabinoids per Serving		8.6100 mg/serving	

Terpenoid Analysis

Terpene analysis utilizing gas chromatography-flame ionization detection (GC-FID).

Method: LA-SOP-201 Terpene Analysis by GC-FID (Note: this test is not included as part of our ISO/IEC 17025 scope of accreditation)

TERPENOID TEST RESULTS - 05/15/2023

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
α-Pinene	*0.01 / 0.033*	*N/A*	ND	ND
Camphene	*0.01 / 0.035*	*N/A*	ND	ND
Sabinene	*0.012 / 0.04*	*N/A*	ND	ND
β-Pinene	*0.012 / 0.041*	*N/A*	ND	ND
Myrcene	*0.012 / 0.041*	*N/A*	ND	ND
α-Phellandrene	*0.012 / 0.041*	*N/A*	ND	ND
Δ^3-Carene	*0.007 / 0.023*	*N/A*	ND	ND
α-Terpinene	*0.007 / 0.023*	*N/A*	ND	ND
p-Cymene	*0.006 / 0.021*	*N/A*	ND	ND
Limonene	*0.007 / 0.024*	*N/A*	ND	ND
Eucalyptol	*0.008 / 0.028*	*N/A*	ND	ND
β-Ocimene	*0.012 / 0.041*	*N/A*	ND	ND
γ-Terpinene	*0.009 / 0.029*	*N/A*	ND	ND
Sabinene Hydrate	*0.013 / 0.042*	*N/A*	ND	ND
Fenchone	*0.02 / 0.068*	*N/A*	ND	ND
Terpinolene	*0.019 / 0.063*	*N/A*	ND	ND
Linalool	*0.022 / 0.073*	*N/A*	ND	ND
Fenchol	*0.031 / 0.102*	*N/A*	ND	ND
Isopulegol	*0.009 / 0.031*	*N/A*	ND	ND
Camphor	*0.009 / 0.031*	*N/A*	ND	ND
Isoborneol	*0.007 / 0.024*	*N/A*	ND	ND
Borneol	*0.007 / 0.023*	*N/A*	ND	ND
Menthol	*0.024 / 0.078*	*N/A*	ND	ND
Terpineol	*0.033 / 0.112*	*N/A*	ND	ND
Nerol	*0.005 / 0.017*	*N/A*	ND	ND
Citronellol	*0.005 / 0.017*	*N/A*	ND	ND
Pulegone	*0.007 / 0.022*	*N/A*	ND	ND
Geraniol	*0.006 / 0.020*	*N/A*	ND	ND
Geranyl Acetate	*0.01 / 0.032*	*N/A*	ND	ND
α-Cedrene	*0.009 / 0.029*	*N/A*	ND	ND
β-Caryophyllene	*0.006 / 0.02*	*N/A*	ND	ND
trans-β-Farnesene	*0.011 / 0.035*	*N/A*	ND	ND
α-Humulene	*0.012 / 0.039*	*N/A*	ND	ND
Valencene	*0.025 / 0.083*	*N/A*	ND	ND
Nerolidol	*0.015 / 0.05*	*N/A*	ND	ND
Caryophyllene Oxide	*0.008 / 0.026*	*N/A*	ND	ND
Guaiol	*0.007 / 0.022*	*N/A*	ND	ND
Cedrol	*0.018 / 0.058*	*N/A*	ND	ND
α-Bisabolol	*0.014 / 0.046*	*N/A*	ND	ND
TOTAL TERPENOIDS			ND	ND

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: LA-SOP-301 Pesticides & Mycotoxins Analysis by LC-MS or LA-SOP-302 Pesticides Analysis by GC-MS

PESTICIDE TEST RESULTS - 05/15/2023 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Abamectin	0.0330 / 0.0990	0.3	N/A	ND	PASS
Acephate	0.0270 / 0.0810	5	N/A	ND	PASS
Acequinocyl	0.0270 / 0.0820	4	N/A	ND	PASS
Acetamiprid	0.0240 / 0.0730	5	N/A	ND	PASS
Aldicarb	0.0260 / 0.0770	≥ LOD	N/A	ND	PASS
Azoxystrobin	0.0160 / 0.0500	40	N/A	ND	PASS
Bifenazate	0.0240 / 0.0740	5	N/A	ND	PASS
Bifenthrin	0.1650 / 0.4990	0.5	N/A	ND	PASS
Boscalid	0.0260 / 0.0800	10	N/A	ND	PASS
Captan*	0.0970 / 0.2940	5	N/A	ND	PASS
Carbaryl	0.0370 / 0.1130	0.5	N/A	ND	PASS
Carbofuran	0.0260 / 0.0800	≥ LOD	N/A	ND	PASS
Chlorantraniliprole	0.0530 / 0.1620	40	N/A	ND	PASS
Chlordane*	0.0300 / 0.0900	≥ LOD	N/A	ND	PASS
Chlorfenapyr*	0.0160 / 0.0490	≥ LOD	N/A	ND	PASS
Chlorpyrifos	0.0110 / 0.0330	≥ LOD	N/A	ND	PASS
Clofentezine	0.0290 / 0.0870	0.5	N/A	ND	PASS
Coumaphos	0.0290 / 0.0890	≥ LOD	N/A	ND	PASS
Cyfluthrin	0.1940 / 0.5870	1	N/A	ND	PASS
Cypermethrin	0.0490 / 0.1480	1	N/A	ND	PASS
Daminozide	0.0260 / 0.0780	≥ LOD	N/A	ND	PASS
Diazinon	0.0220 / 0.0670	0.2	N/A	ND	PASS
Dichlorvos (DDVP)	0.0070 / 0.0220	≥ LOD	N/A	ND	PASS
Dimethoate	0.0190 / 0.0580	≥ LOD	N/A	ND	PASS
Dimethomorph	0.0700 / 0.2120	20	N/A	ND	PASS
Ethoprophos	0.0300 / 0.0920	≥ LOD	N/A	ND	PASS
Etofenprox	0.0290 / 0.0870	≥ LOD	N/A	ND	PASS
Etoxazole	0.0240 / 0.0730	1.5	N/A	ND	PASS
Fenhexamid	0.0150 / 0.0460	10	N/A	ND	PASS
Fenoxycarb	0.0330 / 0.1000	≥ LOD	N/A	ND	PASS
Fenpyroximate	0.0080 / 0.0250	2	N/A	ND	PASS
Fipronil	0.0170 / 0.0530	≥ LOD	N/A	ND	PASS
Flonicamid	0.0120 / 0.0370	2	N/A	ND	PASS
Fludioxonil	0.0300 / 0.0910	30	N/A	ND	PASS
Hexythiazox	0.0150 / 0.0460	2	N/A	ND	PASS
Imazalil	0.0310 / 0.0950	≥ LOD	N/A	ND	PASS
Imidacloprid	0.0400 / 0.1220	3	N/A	ND	PASS
Kresoxim-methyl	0.0290 / 0.0890	1	N/A	ND	PASS
Malathion	0.1370 / 0.4160	5	N/A	ND	PASS
Metalaxyl	0.0600 / 0.1820	15	N/A	ND	PASS
Methiocarb	0.0090 / 0.0260	≥ LOD	N/A	ND	PASS

Continued on next page

Pesticide Analysis *Continued*

PESTICIDE TEST RESULTS - 05/15/2023 *continued* PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Methomyl	0.0130 / 0.0390	0.1	N/A	ND	PASS
Mevinphos	0.0180 / 0.0550	≥ LOD	N/A	ND	PASS
Myclobutanil	0.0320 / 0.0980	9	N/A	ND	PASS
Naled	0.0160 / 0.0480	0.5	N/A	ND	PASS
Oxamyl	0.0380 / 0.1160	0.2	N/A	ND	PASS
Paclobutrazol	0.0320 / 0.0980	≥ LOD	N/A	ND	PASS
Parathion-methyl*	0.0240 / 0.0720	≥ LOD	N/A	ND	PASS
Pentachloronitrobenzene*	0.0270 / 0.0820	0.2	N/A	ND	PASS
Permethrin	0.0300 / 0.0900	20	N/A	ND	PASS
Phosmet	0.0300 / 0.0920	0.2	N/A	ND	PASS
Piperonyl Butoxide	0.0400 / 0.1210	8	N/A	ND	PASS
Prallethrin	0.0260 / 0.0790	0.4	N/A	ND	PASS
Propiconazole	0.0310 / 0.0940	20	N/A	ND	PASS
Propoxur	0.0220 / 0.0680	≥ LOD	N/A	ND	PASS
Pyrethrins	0.0590 / 0.1790	1	N/A	ND	PASS
Pyridaben	0.0240 / 0.0740	3	N/A	ND	PASS
Spinetoram	0.0210 / 0.0630	3	N/A	ND	PASS
Spinosad	0.0290 / 0.0880	3	N/A	ND	PASS
Spiromesifen	0.0320 / 0.0970	12	N/A	ND	PASS
Spirotetramat	0.0110 / 0.0330	13	N/A	ND	PASS
Spiroxamine	0.0330 / 0.0990	≥ LOD	N/A	ND	PASS
Tebuconazole	0.0200 / 0.0610	2	N/A	ND	PASS
Thiacloprid	0.0220 / 0.0660	≥ LOD	N/A	ND	PASS
Thiamethoxam	0.0360 / 0.1080	4.5	N/A	ND	PASS
Trifloxystrobin	0.0320 / 0.0970	30	N/A	ND	PASS

Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: LA-SOP-502 Heavy Metals Analysis by ICP-MS

HEAVY METALS TEST RESULTS - 05/12/2023 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (µg/g)	RESULT (µg/g)	RESULT
Arsenic	0.006 / 0.05	1.5	N/A	<LOQ	PASS
Cadmium	0.003 / 0.05	0.5	±0.001	0.08	PASS
Lead	0.010 / 0.05	0.5	N/A	<LOQ	PASS
Mercury	0.003 / 0.05	3	N/A	<LOQ	PASS