

Certificate of Analysis

Produced: Jul 09, 2026

Sample: P&B National: Moisturizing Cream: 50ml 3:1 Extra Strength (Topical) • Client: Papa & Barkley CBD • Batch: Pass



Batch No.: 26E001
Matrix: Topical
Sample ID: ICC-260707-48-001
Collected on: Jul 07, 2026
Received on: Jul 07, 2026
Batch Size: 3 Units
Sample Size:
Package Size: 53.08 g

Batch Result: Pass

Potency	Tested	Mycotoxins	Pass
Solvents	Pass	Pesticides	Pass
Metals	Pass	Foreign	Pass
Microbial	Pass		

Cannabinoid Overview

Δ ⁹ -THC:	119 mg/pkg
CBD:	373 mg/pkg
Total Cannabinoids:	536 mg/pkg
Sum of Cannabinoids:	535 mg/pkg

POT-INST-005: POT-INST-005: Potency • Jul 08, 2026

Analyte	Amt (mg/pkg)	Amt (%)	Amt (mg/g)	LOD/LOQ (mg/g)	Pass/Fail	Analyte	Amt (mg/pkg)	Amt (%)	Amt (mg/g)	LOD/LOQ (mg/g)	Pass/Fail
CBC		ND	ND	0.0273/0.0818	N/A	CBT	31.0	0.0584	0.584	0.0118/0.0413	N/A
CBD	373	0.703	7.03	0.00834/0.0413	N/A	Δ ⁸ -THC		ND	ND	0.00669/0.0413	N/A
CBDA		ND	ND	0.0200/0.0598	N/A	Δ ⁹ -THC	119	0.225	2.25	0.0110/0.0413	N/A
CBDV		ND	ND	0.00662/0.0413	N/A	THCA		ND	ND	0.0152/0.0455	N/A
CBG	11.3	0.0213	0.213	0.00942/0.0413	N/A	THCV		ND	ND	0.00511/0.0413	N/A
CBGA		ND	ND	0.0147/0.0442	N/A	Total THC**	119	0.225	2.25		N/A
CBL		ND	ND	0.00651/0.0413	N/A	Total CBD**	373	0.703	7.03		N/A
CBN		< 1 mg/g	< LOQ	0.00942/0.0413	N/A	Total Cannabinoids**	535	1.01	10.1		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.



RS-INST-003, RS-PREP-001: RS-INST-003, RS-PREP-001: Residual Solvents by GC-MS • Jul 08, 2026

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
1,2-Dichloroethane	1	ND	0.138/0.422	Pass	Hexane	290	ND	0.0547/0.233	Pass
Acetone	5000	ND	14.1/42.4	Pass	Isopropyl alcohol		ND	1.06/3.18	N/A
Acetonitrile	410	ND	0.0994/0.297	Pass	Methanol	3000	ND	2.46/7.39	Pass
Benzene	1	ND	0.0174/0.0529	Pass	Methylene chloride	1	ND	0.105/0.604	Pass
Butane	5000	ND	0.804/4.02	Pass	Pentane	5000	ND	0.797/3.54	Pass
Chloroform	1	ND	0.0298/0.0894	Pass	Propane	5000	ND	3.67/11.0	Pass
Ethanol		ND	2.17/6.50	N/A	Toluene	890	< LOQ	0.0729/0.716	Pass
Ethyl acetate	5000	ND	0.259/1.89	Pass	Trichloroethylene	1	ND	0.0149/0.120	Pass
Ethylene oxide	1	ND	0.127/0.480	Pass	o-Xylene		ND	0.0834/0.710	N/A
Ethyl ether	5000	ND	0.980/2.94	Pass	p- and m-Xylene		ND	0.0956/1.42	N/A
Heptane	5000	ND	0.569/2.37	Pass	Total xylenes	2170	ND	0.0835/0.711	Pass

HM-INST-003, HM-PREP-001: HM-INST-003, HM-PREP-001: Heavy Metals Testing by ICP-MS • Jul 08, 2026

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
Arsenic	1.5	ND	0.00300/0.00900	Pass	Lead	0.5	0.00568	0.00100/0.00400	Pass
Cadmium	0.5	ND	0.00100/0.00200	Pass	Mercury	3	ND	0.00500/0.0140	Pass

MICRO-INST-001, MICRO-PREP-001: MICRO-INST-001, MICRO-PREP-001: PCR-Microbial (noninhalable) • Jul 09, 2026

Analyte	Limit	Amt	Pass/Fail	Analyte	Limit	Amt	Pass/Fail
Salmonella spp.	Any amt in 1 gram	ND	Pass	Shiga toxin-producing E. coli	Any amt in 1 gram	ND	Pass

PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: Mycotoxin Analysis by LC-MS/MS • Jul 08, 2026

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	1.05/3.15	N/A	Aflatoxin G2		ND	0.713/2.43	N/A
Aflatoxin B2		ND	0.911/2.73	N/A	Aflatoxins	20	ND		Pass
Aflatoxin G1		ND	2.30/6.91	N/A	Ochratoxin A	20	ND	4.78/14.5	Pass

PEST-GC-INST-003, PEST-GC-PREP-001: PEST-GC-INST-003, PEST-GC-PREP-001: Pesticide Analysis by GC-MS/MS • Jul 08, 2026

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					



Signature of David Marelius

Signature of Erik Paulson

PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: Pesticide Analysis by LC-MS/MS • Jul 08, 2026

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	0.00937/0.0300	Pass
Acephate	5	ND	0.00629/0.0300	Pass	Imidacloprid	3	ND	0.0231/0.0700	Pass
Acequinocyl	4	ND	0.0280/0.0848	Pass	Kresoxim-methyl	1	ND	0.00982/0.0300	Pass
Acetamiprid	5	ND	0.00718/0.0300	Pass	Malathion	5	ND	0.00673/0.0300	Pass
Aldicarb	Any amt	ND	0.00997/0.0302	Pass	Metalaxyl	15	ND	0.00467/0.0300	Pass
Azoxystrobin	40	ND	0.00400/0.0300	Pass	Methiocarb	Any amt	ND	0.00956/0.0300	Pass
Bifenazate	5	ND	0.00787/0.0300	Pass	Methomyl	0.1	ND	0.0105/0.0318	Pass
Bifenthrin	0.5	ND	0.0162/0.0490	Pass	Mevinphos	Any amt	ND	0.0133/0.0404	Pass
Boscalid	10	ND	0.0106/0.0321	Pass	Myclobutanil	9	ND	0.00963/0.0300	Pass
Carbaryl	0.5	ND	0.00614/0.0300	Pass	Naled	0.5	ND	0.0116/0.0350	Pass
Carbofuran	Any amt	ND	0.00384/0.0300	Pass	Oxamyl	0.2	ND	0.0103/0.0311	Pass
Chlorantraniliprole	40	ND	0.00657/0.0300	Pass	Paclobutrazol	Any amt	ND	0.0111/0.0337	Pass
Chlorpyrifos	Any amt	ND	0.0108/0.0327	Pass	Permethrin	20	ND	0.00396/0.0300	Pass
Clofentezine	0.5	ND	0.00595/0.0300	Pass	Phosmet	0.2	ND	0.00807/0.0300	Pass
Coumaphos	Any amt	ND	0.00712/0.0300	Pass	Piperonylbutoxide	8	ND	0.00869/0.0300	Pass
Daminozide	Any amt	ND	0.0190/0.0576	Pass	Prallethrin	0.4	ND	0.0204/0.0618	Pass
Diazinon	0.2	ND	0.0271/0.0821	Pass	Propiconazole	20	ND	0.0210/0.0637	Pass
Dichlorvos	Any amt	ND	0.0168/0.0508	Pass	Propoxur	Any amt	ND	0.00656/0.0300	Pass
Dimethoate	Any amt	ND	0.00906/0.0300	Pass	Pyrethrins	1	ND	0.00357/0.0300	Pass
Dimethomorph	20	ND	0.0102/0.0308	Pass	Pyridaben	3	ND	0.00834/0.0300	Pass
Ethoprophos	Any amt	ND	0.00586/0.0300	Pass	Spinetoram	3	ND	0.00317/0.0300	Pass
Etofenprox	Any amt	ND	0.00642/0.0300	Pass	Spinosad	3	ND	0.00302/0.0300	Pass
Etoxazole	1.5	ND	0.00498/0.0300	Pass	Spiromesifen	12	ND	0.0103/0.0311	Pass
Fenhexamid	10	ND	0.0147/0.0444	Pass	Spirotetramat	13	ND	0.00992/0.0301	Pass
Fenoxycarb	Any amt	ND	0.0111/0.0335	Pass	Spiroxamine	Any amt	ND	0.00395/0.0300	Pass
Fenpyroximate	2	ND	0.00952/0.0300	Pass	Tebuconazole	2	ND	0.0213/0.0645	Pass
Fipronil	Any amt	ND	0.00568/0.0300	Pass	Thiacloprid	Any amt	ND	0.00348/0.0300	Pass
Fonicamid	2	ND	0.0181/0.0548	Pass	Thiamethoxam	4.5	ND	0.00914/0.0300	Pass
Fludioxonil	30	ND	0.0192/0.0583	Pass	Trifloxystrobin	30	ND	0.00378/0.0300	Pass
Hexythiazox	2	ND	0.0217/0.0657	Pass					



DM

Erik Paulson