

Certificate of Analysis

Produced: Aug 14, 2026

Sample: P&B National: Balm: 15ml 3:1 Extra Strength (Topical) • Client: Papa & Barkley CBD • Batch: Pass



Batch No.: 26D003-2
Matrix: Topical
Sample ID: ICC-260811-44-001
Collected on: Aug 11, 2026
Received on: Aug 11, 2026
Batch Size: 2 Units
Sample Size:
Package Size: 16.695 g

Batch Result: Pass

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

Cannabinoid Overview

Δ ⁹ -THC:	45.4 mg/pkg
CBD:	128 mg/pkg
Total Cannabinoids:	185 mg/pkg
Sum of Cannabinoids:	185 mg/pkg

POT-INST-005: POT-INST-005: Potency • Aug 14, 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		< 1 mg/g	< LOQ	0.0276/0.0828	N/A	CBT		ND	ND	0.0120/0.0419	N/A
CBD	128	0.768	7.68	0.00844/0.0419	N/A	Δ ⁸ -THC		< 1 mg/g	< LOQ	0.00677/0.0419	N/A
CBDA		ND	ND	0.0202/0.0606	N/A	Δ ⁹ -THC	45.4	0.272	2.72	0.0112/0.0419	N/A
CBDV	0.893	0.00535	0.0535	0.00670/0.0419	N/A	THCA		ND	ND	0.0154/0.0461	N/A
CBG	10.4	0.0622	0.622	0.00954/0.0419	N/A	THCV		ND	ND	0.00517/0.0419	N/A
CBGA		ND	ND	0.0149/0.0447	N/A	Total THC**	45.4	0.272	2.72		N/A
CBL		ND	ND	0.00659/0.0419	N/A	Total CBD**	128	0.768	7.68		N/A
CBN		ND	ND	0.00954/0.0419	N/A	Total Cannabinoids**	185	1.11	11.1		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 • Aug 13, 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	0.166/0.506	Pass	Hexane	290	ND	0.0656/0.279	Pass
Acetone	5000	ND	17.0/50.9	Pass	Isopropyl alcohol		ND	1.27/3.82	N/A
Acetonitrile	410	ND	0.119/0.357	Pass	Methanol	3000	ND	2.95/8.86	Pass
Benzene	1	ND	0.0209/0.0635	Pass	Methylene chloride	1	ND	0.126/0.725	Pass
Butane	5000	ND	0.965/4.82	Pass	Pentane	5000	ND	0.956/4.25	Pass
Chloroform	1	ND	0.0358/0.107	Pass	Propane	5000	ND	4.41/13.2	Pass
Ethanol		ND	2.60/7.80	N/A	Toluene	890	1.82	0.0875/0.859	Pass
Ethyl acetate	5000	ND	0.311/2.27	Pass	Trichloroethylene	1	ND	0.0179/0.144	Pass
Ethylene oxide	1	ND	0.152/0.575	Pass	o-Xylene		ND	0.100/0.852	N/A
Ethyl ether	5000	ND	1.18/3.53	Pass	p- and m-Xylene		ND	0.115/1.70	N/A
Heptane	5000	ND	0.683/2.84	Pass	Total xylenes	2170	ND	0.100/0.853	Pass

HM-INST-003, HM-PREP-001: HM-INST-003, HM-PREP-001: Heavy Metals Testing by ICP-MS • Aug 13, 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	ND	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) • Aug 13, 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 • Aug 14, 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	1.09/3.27	N/A	Aflatoxin G2		ND	0.740/2.52	N/A
Aflatoxin B2		ND	0.945/2.84	N/A	Aflatoxins	20	ND		Pass
Aflatoxin G1		ND	2.39/7.17	N/A	Ochratoxin A	20	ND	4.78/14.5	Pass

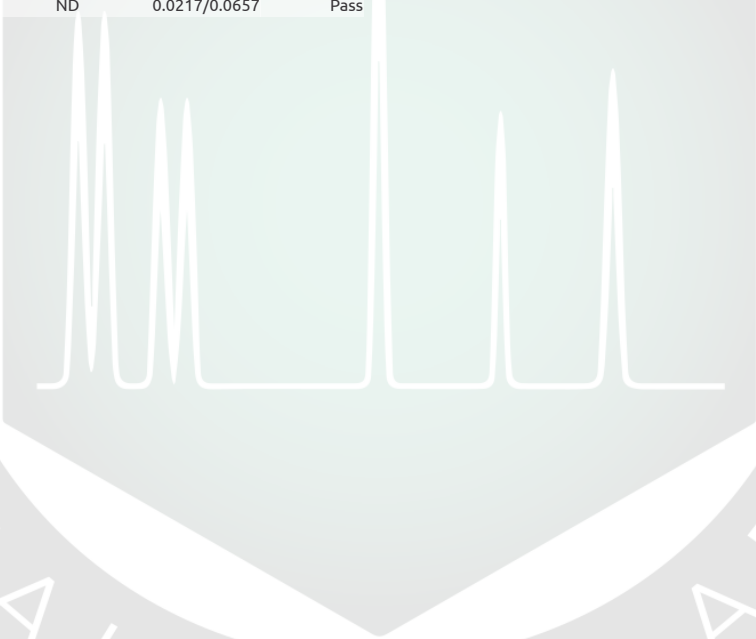
PEST-GC-INST-003, PEST-GC-PREP-001: PEST-GC-INST-003, PEST-GC-PREP-001: Pesticide Analysis by GC-MS/MS • Aug 14, 2026

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					



PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: Pesticide Analysis by LC-MS/MS • Aug 14, 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
Flonicamid	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					



Signature

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