

Certificate of Analysis

Produced: Apr 17, 2026

Sample: P&B National: Soft Gels: 30ct 60mg (Concentrate) • Client: Papa & Barkley CBD • Batch: Pass



Batch No.: 26-0117
Matrix: Concentrate
Sample ID: ICC-260416-41-001
Collected on: Apr 16, 2026
Received on: Apr 16, 2026
Batch Size: 3 Units
Sample Size:
Package Size: 27.24 g
Serving Size: 0.91 g

Batch Result: Pass

Potency	Tested
Solvents	Pass
Metals	Pass
Microbial	Pass
Pesticides	Pass

Cannabinoid Overview

Total THC:	1.35 mg/srv
Total CBD:	58.7 mg/srv
Total Cannabinoids:	64.4 mg/srv
Sum of Cannabinoids:	64.5 mg/srv

POT-INST-005, POT-PREP-001: POT-INST-005, POT-PREP-001: Potency • Apr 17, 2026 16:17:00 PDT

Analyte	Amt (mg/srv)	Amt (mg/pkg)	Amt (%)	Amt (mg/g)	LOD/LOQ (mg/g)	Pass/Fail	Analyte	Amt (mg/srv)	Amt (mg/pkg)	Amt (%)	Amt (mg/g)	LOD/LOQ (mg/g)	Pass/Fail
CBC	2.38	71.1	0.261	2.61	0.114/0.342	N/A	CBT			ND	ND	0.0494/0.173	N/A
CBD	58.7	1760	6.45	64.5	0.0348/0.173	N/A	Δ ⁸ -THC			ND	ND	0.0279/0.173	N/A
CBDA			ND	ND	0.0833/0.250	N/A	Δ ⁹ -THC	1.35	40.3	0.148	1.48	0.0461/0.173	N/A
CBDV	0.630	18.9	0.0692	0.692	0.0276/0.173	N/A	THCA			ND	ND	0.0634/0.190	N/A
CBG	1.42	42.5	0.156	1.56	0.0393/0.173	N/A	THCV			ND	ND	0.0213/0.173	N/A
CBGA			ND	ND	0.0614/0.184	N/A	Total THC**	1.35	40.3	0.148	1.48		N/A
CBL			ND	ND	0.0272/0.173	N/A	Total CBD**	58.7	1760	6.45	64.5		N/A
CBN			ND	ND	0.0393/0.173	N/A	Total Cannabinoids**	64.5	1930	7.08	70.8		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 • Apr 17, 2026 13:17:00 PDT

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	0.166/0.504	Pass	Hexane	290	ND	0.0654/0.279	Pass
Acetone	5000	ND	16.9/50.8	Pass	Isopropyl alcohol	5000	ND	1.27/3.81	Pass
Acetonitrile	410	ND	0.119/0.356	Pass	Methanol	3000	ND	2.95/8.84	Pass
Benzene	1	ND	0.0208/0.0633	Pass	Methylene chloride	1	ND	0.126/0.723	Pass
Butane	5000	ND	0.962/4.81	Pass	Pentane	5000	ND	0.953/4.23	Pass
Chloroform	1	ND	0.0357/0.107	Pass	Propane	5000	ND	4.39/13.2	Pass
Ethanol	5000	ND	2.59/7.77	Pass	Toluene	890	< LOQ	0.0872/0.856	Pass
Ethyl acetate	5000	ND	0.310/2.27	Pass	Trichloroethylene	1	ND	0.0178/0.144	Pass
Ethylene oxide	1	ND	0.152/0.574	Pass	o-Xylene	ND	ND	0.0998/0.849	N/A
Ethyl ether	5000	ND	1.17/3.52	Pass	p- and m-Xylene	ND	ND	0.114/1.70	N/A
Heptane	5000	2.85	0.681/2.83	Pass	Total xylenes	2170	ND	0.0999/0.850	Pass

HM-INST-003, HM-PREP-001: HM-INST-003, HM-PREP-001: Heavy Metals Testing by ICP-MS • Apr 17, 2026 12:52:00 PDT

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	0.2	ND	0.00300/0.00900	Pass	Lead	0.5	0.0288	0.00100/0.00400	Pass
Cadmium	0.2	ND	0.00100/0.00200	Pass	Mercury	0.1	ND	0.00500/0.0140	Pass

MICRO-008, MICRO-INST-001, MICRO-PREP-001: MICRO-008, MICRO-INST-001, MICRO-PREP-001: PCR-Microbial (noninhalable) • Apr 17, 2026 16:39:00 PDT

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

PEST-GC-INST-003, PEST-GC-PREP-001: PEST-GC-INST-003, PEST-GC-PREP-001: Pesticide Analysis by GC-MS/MS • Apr 17, 2026 15:31:00 PDT

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	0.7	ND	0.120/0.358	Pass	Cypermethrin	1	ND	0.0602/0.181	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	0.1	ND	0.0182/0.0545	Pass
Cyfluthrin	2	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 • Apr 17, 2026 13:48:00 PDT

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	0.1	ND	0.0500/0.100	Pass	Imazalil	Any amt	ND	0.00898/0.0300	Pass
Acephate	0.1	ND	0.00743/0.0300	Pass	Imidacloprid	5	ND	0.0109/0.0331	Pass
Acequinocyl	0.1	ND	0.0150/0.0456	Pass	Kresoxim-methyl	0.1	ND	0.00708/0.0300	Pass
Acetamiprid	0.1	ND	0.00496/0.0300	Pass	Malathion	0.5	ND	0.00313/0.0300	Pass
Aldicarb	Any amt	ND	0.00838/0.0300	Pass	Metalaxyl	2	ND	0.00467/0.0300	Pass
Azoxystrobin	0.1	ND	0.00530/0.0300	Pass	Methiocarb	Any amt	ND	0.00245/0.0300	Pass
Bifenazate	0.1	ND	0.00706/0.0300	Pass	Methomyl	1	ND	0.00879/0.0300	Pass
Bifenthrin	3	ND	0.00439/0.0300	Pass	Mevinphos	Any amt	ND	0.00772/0.0300	Pass
Boscalid	0.1	ND	0.00809/0.0300	Pass	Myclobutanil	0.1	ND	0.00707/0.0300	Pass
Carbaryl	0.5	ND	0.00604/0.0300	Pass	Naled	0.1	ND	0.00849/0.0300	Pass
Carbofuran	Any amt	ND	0.00538/0.0300	Pass	Oxamyl	0.5	ND	0.00746/0.0300	Pass
Chlorantraniliprole	10	ND	0.00883/0.0300	Pass	Paclobutrazol	Any amt	ND	0.00851/0.0300	Pass
Chlorpyrifos	Any amt	ND	0.0152/0.0460	Pass	Permethrin	0.5	ND	0.00190/0.0300	Pass
Clofentezine	0.1	ND	0.00206/0.0300	Pass	Phosmet	0.1	ND	0.00511/0.0300	Pass
Coumaphos	Any amt	ND	0.00393/0.0300	Pass	Piperonylbutoxide	3	ND	0.00267/0.0300	Pass
Daminozide	Any amt	ND	0.0176/0.0534	Pass	Prallethrin	0.1	ND	0.0235/0.0711	Pass
Diazinon	0.1	ND	0.00475/0.0300	Pass	Propiconazole	0.1	ND	0.00909/0.0300	Pass
Dichlorvos	Any amt	ND	0.0182/0.0550	Pass	Propoxur	Any amt	ND	0.00780/0.0300	Pass
Dimethoate	Any amt	ND	0.00592/0.0300	Pass	Pyrethrins	0.5	ND	0.00278/0.0300	Pass
Dimethomorph	2	ND	0.00454/0.0300	Pass	Pyridaben	0.1	ND	0.00231/0.0300	Pass
Ethoprofos	Any amt	ND	0.00610/0.0300	Pass	Spinetoram	0.1	ND	0.00119/0.0300	Pass
Etofenprox	Any amt	ND	0.00437/0.0300	Pass	Spinosad	0.1	< LOQ	0.000830/0.0300	Pass
Etoxazole	0.1	ND	0.00365/0.0300	Pass	Spiromesifen	0.1	ND	0.00894/0.0300	Pass
Fenhexamid	0.1	ND	0.0113/0.0342	Pass	Spirotetramat	0.1	ND	0.00808/0.0300	Pass
Fenoxycarb	Any amt	ND	0.00415/0.0300	Pass	Spiroxamine	Any amt	ND	0.00555/0.0300	Pass
Fenpyroximate	0.1	ND	0.00396/0.0300	Pass	Tebuconazole	0.1	ND	0.00605/0.0300	Pass
Fipronil	Any amt	ND	0.0165/0.0500	Pass	Thiacloprid	Any amt	ND	0.00506/0.0300	Pass
Fonicamid	0.1	ND	0.0115/0.0350	Pass	Thiamethoxam	5	ND	0.00760/0.0300	Pass
Fludioxonil	0.1	ND	0.0119/0.0362	Pass	Trifloxystrobin	0.1	ND	0.00293/0.0300	Pass
Hexythiazox	0.1	ND	0.00124/0.0300	Pass					



DM

Erik Paulson