

Certificate of Analysis

Produced: Apr 22, 2026

Sample: P&B National: Tincture: 60mg 30mL Natural (Tincture) • Client: Papa & Barkley CBD • Batch: Pass



Batch No.: C6101
Matrix: Tincture
Density: 0.92586 g/ml
Sample ID: ICC-260421-19-001
Collected on: Apr 21, 2026
Received on: Apr 21, 2026
Batch Size: 1 Units
Sample Size:
Package Size: 30.51 g
Serving Size: 1.02 g

Batch Result: Pass

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

Cannabinoid Overview

Δ⁹-THC:	1.03 mg/srv
CBD:	64.1 mg/srv
Total Cannabinoids:	70.7 mg/srv
Sum of Cannabinoids:	70.7 mg/srv

POT-INST-005: POT-INST-005: Potency • Apr 22, 2026 10:12:00 PDT

Analyte	Amt (mg/srv)	Amt (mg/pkg)	Amt (%)	Amt (mg/ml)	LOD/LOQ (mg/ml)	Pass/Fail	Analyte	Amt (mg/srv)	Amt (mg/pkg)	Amt (%)	Amt (mg/ml)	LOD/LOQ (mg/ml)	Pass/Fail
CBC	3.30	98.9	0.324	3.00	0.0231/0.0691	N/A	CBT	0.294	8.79	0.0288	0.267	0.0100/0.0349	N/A
CBD	64.1	1920	6.28	58.1	0.00705/0.0349	N/A	Δ ⁸ -THC			ND	ND	0.00565/0.0349	N/A
CBDA			ND	ND	0.0169/0.0505	N/A	Δ ⁹ -THC	1.03	30.8	0.101	0.935	0.00935/0.0349	N/A
CBDV	0.412	12.3	0.0404	0.374	0.00558/0.0349	N/A	THCA			ND	ND	0.0128/0.0384	N/A
CBG	0.972	29.1	0.0953	0.882	0.00795/0.0349	N/A	THCV			ND	ND	0.00431/0.0349	N/A
CBGA			ND	ND	0.0124/0.0373	N/A	Total THC**	1.03	30.8	0.101	0.935		N/A
CBL			ND	ND	0.00549/0.0349	N/A	Total CBD**	64.1	1920	6.28	58.1		N/A
CBN	0.662	19.8	0.0649	0.601	0.00795/0.0349	N/A	Total Cannabinoids**	70.7	2120	6.93	64.2		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 22, 2026 19:14:00 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	0.170/0.519	Pass	Hexane	290	ND	0.0673/0.286	Pass
Acetone	5000	ND	17.4/52.2	Pass	Isopropyl alcohol	5000	98.9	1.30/3.91	Pass
Acetonitrile	410	ND	0.122/0.366	Pass	Methanol	3000	ND	3.03/9.09	Pass
Benzene	1	ND	0.0214/0.0651	Pass	Methylene chloride	1	ND	0.129/0.743	Pass
Butane	5000	ND	0.990/4.94	Pass	Pentane	5000	ND	0.981/4.35	Pass
Chloroform	1	ND	0.0367/0.110	Pass	Propane	5000	ND	4.52/13.6	Pass
Ethanol	5000	ND	2.66/7.99	Pass	Toluene	890	0.934	0.0897/0.881	Pass
Ethyl acetate	5000	ND	0.319/2.33	Pass	Trichloroethylene	1	ND	0.0183/0.148	Pass
Ethylene oxide	1	ND	0.156/0.590	Pass	o-Xylene	ND	ND	0.103/0.874	N/A
Ethyl ether	5000	ND	1.21/3.62	Pass	p- and m-Xylene	ND	ND	0.118/1.75	N/A
Heptane	5000	ND	0.700/2.91	Pass	Total xylenes	2170	ND	0.103/0.875	Pass

HM-INST-003, HM-PREP-001: HM-INST-003, HM-PREP-001: Heavy Metals Testing by ICP-MS • Apr 21, 2026 14:39:00 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	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-008, MICRO-INST-001, MICRO-PREP-001: MICRO-008, MICRO-INST-001, MICRO-PREP-001: PCR-Microbial (noninhalable) • Apr 22, 2026 13:48:00 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

PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: Mycotoxin Analysis by LC-MS/MS • Apr 22, 2026 14:24:00 PDT

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	2.05/6.20	N/A	Aflatoxin G2		ND	1.02/5.00	N/A
Aflatoxin B2		ND	1.63/5.00	N/A	Aflatoxins	20	ND		Pass
Aflatoxin G1		ND	1.77/5.38	N/A	Ochratoxin A	20	ND	5.42/16.4	Pass

PEST-GC-INST-003, PEST-GC-PREP-001: PEST-GC-INST-003, PEST-GC-PREP-001: Pesticide Analysis by GC-MS/MS • Apr 22, 2026 14:50:00 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	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					

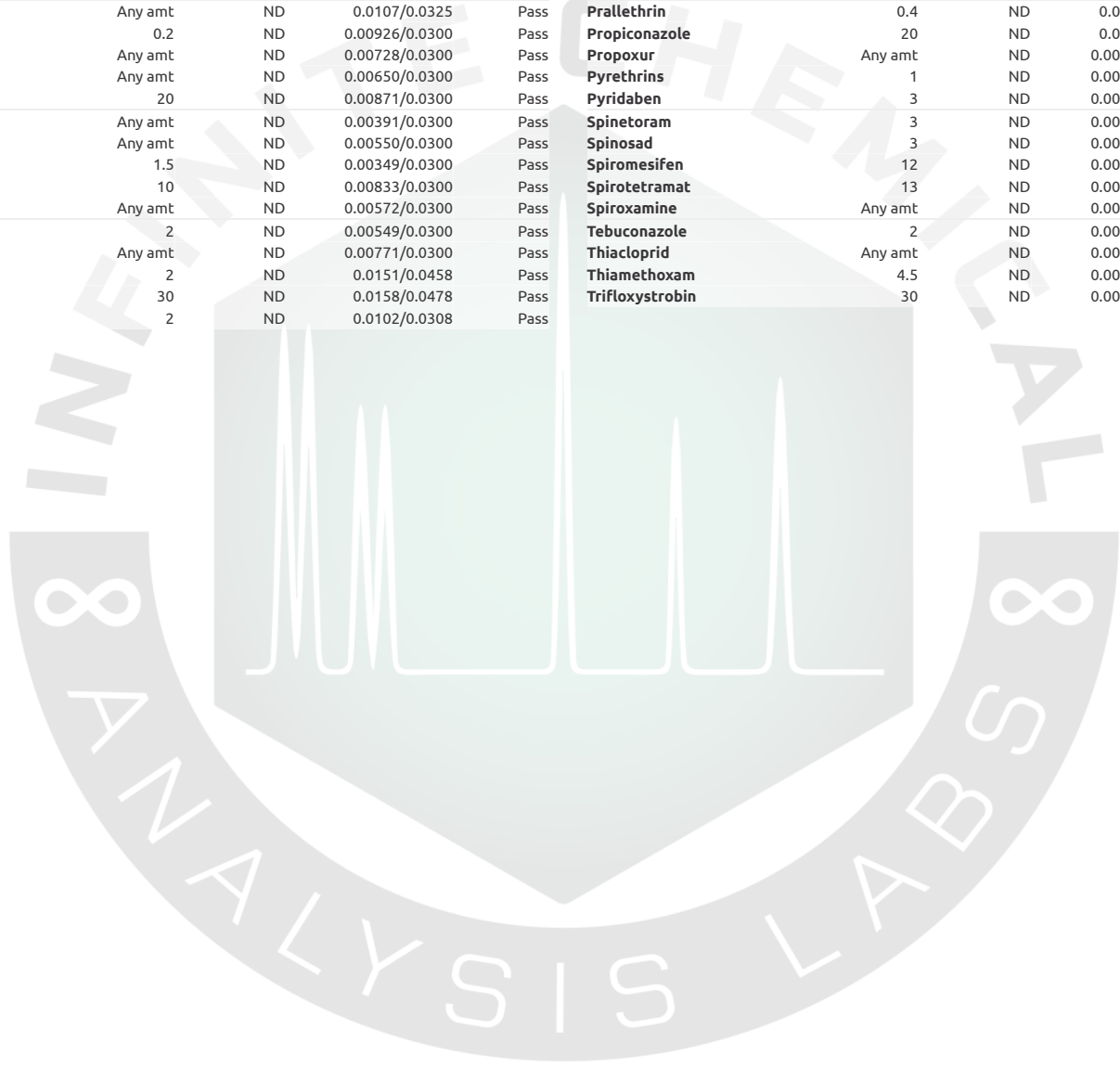


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Erik Paulson

PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: PESTMYCO-LC-INST-004, PESTMYCO-LC-PREP-001: Pesticide Analysis by LC-MS/MS • Apr 22, 2026 14:25:00 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	0.3	ND	0.0500/0.100	Pass	Imazalil	Any amt	ND	0.00863/0.0300	Pass
Acephate	5	ND	0.0209/0.0635	Pass	Imidacloprid	3	ND	0.00861/0.0300	Pass
Acequinocyl	4	ND	0.0115/0.0347	Pass	Kresoxim-methyl	1	ND	0.00703/0.0300	Pass
Acetamiprid	5	ND	0.00581/0.0300	Pass	Malathion	5	ND	0.00485/0.0300	Pass
Aldicarb	Any amt	ND	0.00935/0.0300	Pass	Metalaxyl	15	ND	0.00340/0.0300	Pass
Azoxystrobin	40	ND	0.00322/0.0300	Pass	Methiocarb	Any amt	ND	0.00542/0.0300	Pass
Bifenazate	5	ND	0.00473/0.0300	Pass	Methomyl	0.1	ND	0.00645/0.0300	Pass
Bifenthrin	0.5	ND	0.00583/0.0300	Pass	Mevinphos	Any amt	ND	0.0105/0.0319	Pass
Boscalid	10	ND	0.00747/0.0300	Pass	Myclobutanil	9	ND	0.00735/0.0300	Pass
Carbaryl	0.5	ND	0.00404/0.0300	Pass	Naled	0.5	ND	0.00459/0.0300	Pass
Carbofuran	Any amt	ND	0.00239/0.0300	Pass	Oxamyl	0.2	ND	0.00850/0.0300	Pass
Chlorantraniliprole	40	ND	0.00563/0.0300	Pass	Paclobutrazol	Any amt	ND	0.00577/0.0300	Pass
Chlorpyrifos	Any amt	ND	0.00807/0.0300	Pass	Permethrin	20	ND	0.00178/0.0300	Pass
Clofentezine	0.5	ND	0.00464/0.0300	Pass	Phosmet	0.2	ND	0.00527/0.0300	Pass
Coumaphos	Any amt	ND	0.00463/0.0300	Pass	Piperonylbutoxide	8	ND	0.00635/0.0300	Pass
Daminozide	Any amt	ND	0.0107/0.0325	Pass	Prallethrin	0.4	ND	0.0180/0.0546	Pass
Diazinon	0.2	ND	0.00926/0.0300	Pass	Propiconazole	20	ND	0.0124/0.0375	Pass
Dichlorvos	Any amt	ND	0.00728/0.0300	Pass	Propoxur	Any amt	ND	0.00524/0.0300	Pass
Dimethoate	Any amt	ND	0.00650/0.0300	Pass	Pyrethrins	1	ND	0.00192/0.0300	Pass
Dimethomorph	20	ND	0.00871/0.0300	Pass	Pyridaben	3	ND	0.00547/0.0300	Pass
Ethoprophos	Any amt	ND	0.00391/0.0300	Pass	Spinetoram	3	ND	0.00295/0.0300	Pass
Etofenprox	Any amt	ND	0.00550/0.0300	Pass	Spinosad	3	ND	0.00275/0.0300	Pass
Etoxazole	1.5	ND	0.00349/0.0300	Pass	Spiromesifen	12	ND	0.00540/0.0300	Pass
Fenhexamid	10	ND	0.00833/0.0300	Pass	Spirotetramat	13	ND	0.00648/0.0300	Pass
Fenoxycarb	Any amt	ND	0.00572/0.0300	Pass	Spiroxamine	Any amt	ND	0.00264/0.0300	Pass
Fenpyroximate	2	ND	0.00549/0.0300	Pass	Tebuconazole	2	ND	0.00895/0.0300	Pass
Fipronil	Any amt	ND	0.00771/0.0300	Pass	Thiacloprid	Any amt	ND	0.00177/0.0300	Pass
Fonicamid	2	ND	0.0151/0.0458	Pass	Thiamethoxam	4.5	ND	0.00553/0.0300	Pass
Fludioxonil	30	ND	0.0158/0.0478	Pass	Trifloxystrobin	30	ND	0.00234/0.0300	Pass
Hexythiazox	2	ND	0.0102/0.0308	Pass					



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Erik Paulson