

# **Hemp Quality Assurance Testing**

### **CERTIFICATE OF ANALYSIS**

**DATE ISSUED 02/24/2023** 

SAMPLE NAME: Cannadips CBD - Palmie

Infused, Non-Inhalable

**CULTIVATOR / MANUFACTURER** 

**Business Name:** License Number:

Address:

SAMPLE DETAIL

Batch Number: 1AP007 Sample ID: 230215M005 **DISTRIBUTOR / TESTED FOR** 

Business Name: Boldt Runners

Corporation

License Number:

Address: 4665 West End Rd.

Arcata CA 95521

Date Collected: 02/15/2023 Date Received: 02/16/2023

Batch Size:

Sample Size: 8.0 units

Unit Mass: 8.25 grams per Unit Serving Size: 0.55 grams per Serving



Scan QR code to verify authenticity of results.

#### **CANNABINOID ANALYSIS - SUMMARY**

**Total THC: Not Detected** 

Total CBD: 163.061 mg/unit

Total Cannabinoids: 163.903 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 =  $\Delta^9$ -THC + (THCa (0.877)) Total CBD = CBD + (CBDa (0.877))

Sum of Cannabinoids =  $\Delta^9$ -THC + THCa + CBD + CBDa + CBG + CBGa + Sum of Cannabinoids: 163.903 mg/unit THCV + THCVa + CBC + CBCa + CBDV + CBDVa +  $\Delta^8$ -THC + CBL + CBN Total Cannabinoids =  $(\Delta^9$ -THC+0.877\*THCa) + (CBD+0.877\*CBDa) + (CBG+0.877\*CBGa) + (THCV+0.877\*THCVa) + (CBC+0.877\*CBCa) +

(CBDV+0.877\*CBDVa) +  $\Delta^8$ -THC + CBL + CBN

### **SAFETY ANALYSIS - SUMMARY**

 $\Delta^9$ -THC per Unit:  $\bigcirc$  PASS

Residual Solvents: PASS

Microbiology (Plating): DETECTED

Pesticides: PASS

Heavy Metals: PASS

Foreign Material: PASS

Mycotoxins: PASS

Microbiology (PCR): PASS

Water Activity: 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

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), too numerous to count >250 cfu/plate (TNTC), colony-forming unit (cfu)

LQC verified by: Carmen Stackhouse Job Title: Senior Laboratory Analyst

Date: 02/24/2023

Approved by: Josh Wurze Title: Président Date: 02/24/2023







## Cannabinoid Analysis

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

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: Not Detected Total THC ( $\Delta^9$ -THC+0.877\*THCa)

TOTAL CBD: 163.061 mg/unit

Total CBD (CBD+0.877\*CBDa)

TOTAL CANNABINOIDS: 163.903 mg/unit

 $\begin{array}{l} Total \ Cannabinoids \ (Total \ THC) + (Total \ CBD) + \\ (Total \ CBG) + (Total \ THCV) + (Total \ CBC) + \\ (Total \ CBDV) + \Delta^8 - THC + CBL + CBN \end{array}$ 

TOTAL CBG: 0.314 mg/unit

Total CBG (CBG+0.877\*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

TOTAL CBC: <LOQ
Total CBC (CBC+0.877\*CBCa)

TOTAL CBDV: 0.528 mg/unit
Total CBDV (CBDV+0.877\*CBDVa)

**CANNABINOID TEST RESULTS - 02/23/2023** 

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	±0.7372	19.765	1.9765
CBDV	0.002 / 0.012	±0.0026	0.064	0.0064
CBG	0.002 / 0.006	±0.0018	0.038	0.0038
СВС	0.003 / 0.010	N/A	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
∆ <sup>9</sup> -THC	0.002 / 0.014	N/A	ND	ND
$\Delta^8$ -THC	0.01 / 0.02	N/A	ND	ND
THCa	0.001 / 0.005	N/A	ND	ND
THCV	0.002 / 0.012	N/A	ND	ND
THCVa	0.002/0.019	N/A	ND	ND
CBDa	0.001 / 0.026	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBL	0.003 / 0.010	N/A	ND	ND
CBN	0.001 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
SUM OF CANNA	BINOIDS		19.867 mg/g	1.9867%

Unit Mass: 8.25 grams per Unit / Serving Size: 0.55 grams per Serving

$\Delta^9$ -THC per Unit	1100 per-package limit	ND	PASS	
Δ <sup>9</sup> -THC per Serving		ND		
Total THC per Unit		ND		
Total THC per Serving		ND		
CBD per Unit	163.061 mg/unit			
CBD per Serving	10.871 mg/serving			
Total CBD per Unit	163.061 mg/unit			
Total CBD per Serving	10.871 mg/serving			
Sum of Cannabinoids per Unit	163.903 mg/unit			
Sum of Cannabinoids per Serving	10.927 mg/serving			
Total Cannabinoids per Unit	163.903 mg/unit			
Total Cannabinoids per Serving		10.927 mg/serving		







## **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:** QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

### PESTICIDE TEST RESULTS - 02/24/2023 PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (μg/g)	RESULT
Abamectin	0.032 / 0.097	0.3	N/A	ND	PASS
Acephate	0.006 / 0.018	5	N/A	ND	PASS
Acequinocyl	0.009 / 0.027	4	N/A	ND	PASS
Acetamiprid	0.016 / 0.049	5	N/A	ND	PASS
Aldicarb	0.030 / 0.090	≥LOD	N/A	ND	PASS
Allethrin	0.030 / 0.092		N/A	ND	
Atrazine	0.006 / 0.019		N/A	ND	
Azadirachtin	0.082 / 0.248		N/A	ND	
Azoxystrobin	0.003 / 0.009	40	N/A	<loq< td=""><td>PASS</td></loq<>	PASS
Benzovindiflupyr	0.003 / 0.009		N/A	ND	
Bifenazate	0.003 / 0.009	5	N/A	ND	PASS
Bifenthrin	0.021 / 0.064	0.5	N/A	ND	PASS
Boscalid	0.003 / 0.009	10	N/A	ND	PASS
Buprofezin	0.006 / 0.019		N/A	ND	
Captan	0.045 / 0.135	5	N/A	ND	PASS
Carbaryl	0.007 / 0.020	0.5	N/A	ND	PASS
Carbofuran	0.003 / 0.008	≥LOD	N/A	ND	PASS
Chlorantraniliprole	0.006 / 0.018	40	N/A	ND	PASS
Chlordane*	0.010 / 0.032	≥LOD	N/A	ND	PASS
Chlorfenapyr*	0.005 / 0.015	≥LOD	N/A	ND	PASS
Chlormequat chloride	0.022 / 0.066		N/A	ND	
Chlorpyrifos	0.013 / 0.039	≥LOD	N/A	ND	PASS
Clofentezine	0.003 / 0.009	0.5	N/A	ND	PASS
Clothianidin	0.008 / 0.025		N/A	ND	
Coumaphos	0.00 <mark>3/0.010</mark>	≥ LOD	N/A	ND	PASS
Cyantraniliprole	0.003/0.010		N/A	ND	
Cyfluthrin	0.052 / 0.159	1	N/A	ND	PASS
Cypermethrin	0.051 / 0.153	1	N/A	ND	PASS
Cyprodinil	0.003 / 0.008		N/A	ND	
Daminozide	0.026 / 0.077	≥LOD	N/A	ND	PASS
Deltamethrin	0.059 / 0.180		N/A	ND	
Diazinon	0.006 / 0.017	0.2	N/A	ND	PASS
Dichlorvos (DDVP)	0.012 / 0.038	≥LOD	N/A	ND	PASS
Dimethoate	0.003 / 0.009	≥LOD	N/A	ND	PASS
Dimethomorph	0.016 / 0.050	20	N/A	ND	PASS
Dinotefuran	0.010 / 0.030		N/A	ND	
Diuron	0.013 / 0.040		N/A	ND	
Dodemorph	0.012 / 0.035		N/A	ND	
Endosulfan sulfate	0.016 / 0.048		N/A	ND	
Endosulfan-α*	0.004 / 0.014		N/A	ND	
Endosulfan-β*	0.006 / 0.019		N/A	ND	

Continued on next page







## **Pesticide Analysis** Continued

### PESTICIDE TEST RESULTS - 02/24/2023 continued **⊘** PASS

Ethoprophos         0.003 / 0.009         ≥ LOD         N/A         ND         PASS           Etofaprox         0.014 / 0.042         ≥ LOD         N/A         ND         PASS           Etoxazole         0.007 / 0.020         1.5         N/A         ND         PASS           Etridiazole*         0.002 / 0.008         10         N/A         ND         PASS           Fenhexamid         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Fenoxycarb         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Fensulfothion         0.003 / 0.010         N/A         ND         PASS           Fensulfothion         0.003 / 0.010         N/A         ND         PASS           Fensulfothion         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Fensulfothion         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Fensulfothion         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Fludioxonil         0.003 / 0.010         3         N/A         ND         PASS           Fludioxonil         0.003 / 0.010         2         N/A	COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (μg/g)	RESULT
Etoxazole         0.007/0.020         1.5         N/A         ND         PASS           Etridiazole*         0.002/0.005         N/A         ND         PASS           Fenhexamid         0.003/0.008         10         N/A         ND         PASS           Fenpoycrych         0.003/0.010         ≥ LOD         N/A         ND         PASS           Fenspyroximate         0.007/0.020         2         N/A         ND         PASS           Fensulfothion         0.003/0.010         N/A         ND         PASS           Fenthion         0.003/0.010         N/A         ND         PASS           Fenthion         0.003/0.010         ≥ LOD         N/A         ND         PASS           Findicamid         0.003/0.010         30         N/A         ND         PASS           Fludioxonil         0.003/0.009         N/A         ND         PASS           Fluopyram         0.003/0.009         ≥ LOD         N/A         ND         PASS           Imazalii         0.003/0.010         2         N/A         ND         PASS           Imazalii         0.003/0.010         3         N/A         ND         PASS           Iprodione	Ethoprophos	0.003 / 0.009	≥LOD	N/A	ND	PASS
Etridiazole*	Etofenprox	0.014/0.042	≥LOD	N/A	ND	PASS
Fenhexamid         0.003/0.008         10         N/A         ND         PASS           Fenoxycarb         0.003/0.010         ≥ LOD         N/A         ND         PASS           Fenpyroximate         0.007/0.020         2         N/A         ND         PASS           Fensulfothion         0.003/0.010         N/A         ND         PASS           Findiaclerate         0.003/0.010         ≥ LOD         N/A         ND         PASS           Fludioxonil         0.003/0.010         30         N/A         ND         PASS           Fludioxonil         0.003/0.010         2         N/A         ND         PASS           Fludioxonil         0.003/0.010         2         N/A         ND         PASS           Imazali         0.003/0.010         3         N/A         ND         PASS           Imazali         0.003/0.010         3         N/A         ND         PASS           Imazali	Etoxazole	0.007/0.020	1.5	N/A	ND	PASS
Fenoxycarb   0.003/0.010   ≥LOD   N/A   ND   PASS	Etridiazole*	0.002 / 0.005		N/A	ND	
Fenpyroximate         0.007 / 0.020         2         N/A         ND         PASS           Fensulfothion         0.003 / 0.010         N/A         ND           Fenthion         0.003 / 0.010         N/A         ND           Fenthion         0.003 / 0.010         ≥ LOD         N/A         ND           Findicanted         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Fludioxonil         0.003 / 0.010         30         N/A         ND         PASS           Fludioxonil         0.003 / 0.009         ≥ LOD         N/A         ND         PASS           Fluopyram         0.003 / 0.009         ≥ LOD         N/A         ND         PASS           Imazalil         0.003 / 0.009         ≥ LOD         N/A         ND         PASS           Iprodione         0.077 / 0.233         N/A         ND         ND           Kinoprene         0.077 / 0.233         N/A         ND         PASS           b-Cyhalothrin         0.068 / 0.206         N/A         ND         PASS           Metalaxyl         0.003 / 0.009         5         N/A         ND         PASS           Methoryl         0.003 / 0.008         ≥ LOD         N/	Fenhexamid	0.003/0.008	10	N/A	ND	PASS
Fensulfothion         0.003 / 0.010         N/A         ND           Fenthion         0.003 / 0.010         N/A         ND           Fenvalerate         0.033 / 0.099         N/A         ND           Fipronil         0.003 / 0.010         ≥ LOD         N/A         ND           Flonicamid         0.007 / 0.022         2         N/A         ND         PASS           Fludioxonil         0.003 / 0.010         30         N/A         ND         PASS           Fluopyram         0.003 / 0.009         ≥ LOD         N/A         ND         PASS           Imazalil         0.003 / 0.010         2         N/A         ND         PASS           Imidacloprid         0.003 / 0.010         3         N/A         ND         PASS           Iprodione         0.077 / 0.233         N/A         ND         ND           Kresoxim-methyl         0.006 / 0.019         1         N/A         ND         PASS           ½-Cyhalothrin         0.068 / 0.206         N/A         ND         PASS           Metalaxyl         0.003 / 0.009         5         N/A         ND         PASS           Methonyl         0.003 / 0.009         5         N/A         ND	Fenoxycarb	0.003/0.010	≥LOD	N/A	ND	PASS
Fenthion         0.003/0.010         N/A         ND           Fenvalerate         0.033/0.099         N/A         ND           Fipronil         0.003/0.010         ≥ LOD         N/A         ND         PASS           Flonicamid         0.007/0.022         2         N/A         ND         PASS           Fludioxonil         0.003/0.010         30         N/A         ND         PASS           Fluopyram         0.003/0.009         N/A         ND         PASS           Imazalil         0.003/0.010         2         N/A         ND         PASS           Imazalil         0.003/0.009         ≥ LOD         N/A         ND         PASS           Imidacloprid         0.003/0.010         3         N/A         ND         PASS           Imidacloprid         0.003/0.010         3         N/A         ND         PASS           Iprodione         0.077/0.233         N/A         ND         ND           Kresoxim-methyl         0.004/0.019         1         N/A         ND         PASS           λ-Cyhalothrin         0.068/0.206         N/A         ND         PASS           Metalaxyl         0.003/0.009         5         N/A	Fenpyroximate	0.007/0.020	2	N/A	ND	PASS
Fenvalerate   0.033/0.099	Fensulfothion	0.003/0.010		N/A	ND	
Fipronil   0.003/0.010   ≥LOD   N/A   ND   PASS	Fenthion	0.003/0.010		N/A	ND	
Flonicamid   0.007 / 0.022   2   N/A	Fenvalerate	0.033 / 0.099		N/A	ND	
Fludioxonil   0.003/0.010   30   N/A   ND   PASS	Fipronil	0.003/0.010	≥LOD	N/A	ND	PASS
Fluopyram	Flonicamid	0.007/0.022	2	N/A	ND	PASS
Hexythiazox	Fludioxonil	0.003/0.010	30	N/A	ND	PASS
Imazalil         0.003 / 0.009         ≥ LOD         N/A         ND         PASS           Imidacloprid         0.003 / 0.010         3         N/A         ND         PASS           Iprodione         0.077 / 0.233         N/A         ND         ND           Kinoprene         0.077 / 0.233         N/A         ND         ND           Kresoxim-methyl         0.006 / 0.019         1         N/A         ND         PASS           λ-Cyhalothrin         0.068 / 0.206         N/A         ND         PASS           Metalaxyl         0.003 / 0.009         5         N/A         ND         PASS           Methocarb         0.003 / 0.008         ≥ LOD         N/A         ND         PASS           Methomyl         0.008 / 0.025         0.1         N/A         ND         PASS           Methoprene         0.172 / 0.521         N/A         ND         PASS           Methoprene         0.017 / 0.052         N/A         ND         PASS           MGK-264         0.015 / 0.047         N/A         ND         PASS           Naled         0.021 / 0.064         0.5         N/A         ND         PASS           Novaluron         0.002 / 0.005	Fluopyram	0.003/0.009		N/A	ND	
Imidacloprid   0.003 / 0.010   3   N/A   ND   PASS   Iprodione   0.077 / 0.233   N/A   ND   ND   ND   ND   ND   ND   ND   N	Hexythiazox	0.003/0.010	2	N/A	ND	PASS
Iprodione   0.077 / 0.233   N/A   ND	lmazalil	0.003/0.009	≥LOD	N/A	ND	PASS
Kinoprene         0.077 / 0.233         N/A         ND           Kresoxim-methyl         0.006 / 0.019         1         N/A         ND         PASS           λ-Cyhalothrin         0.068 / 0.206         N/A         ND         ND         ND           Malathion         0.003 / 0.009         5         N/A         ND         PASS           Metalaxyl         0.003 / 0.010         15         N/A         ND         PASS           Methiocarb         0.003 / 0.008         ≥ LOD         N/A         ND         PASS           Methomyl         0.008 / 0.025         0.1         N/A         ND         PASS           Methoprene         0.172 / 0.521         N/A         ND         PASS           MGK-264         0.015 / 0.047         N/A         ND         PASS           Mgclobutanil         0.003 / 0.009         9         N/A         ND         PASS           Naled         0.021 / 0.064         0.5         N/A         ND         PASS           Novaluron         0.002 / 0.005         N/A         ND         PASS           Paclobutrazol         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Parathion-methyl	Imidacloprid	0.003/0.010	3	N/A	ND	PASS
Kresoxim-methyl         0.006 / 0.019         1         N/A         ND         PASS           λ-Cyhalothrin         0.068 / 0.206         N/A         ND           Malathion         0.003 / 0.009         5         N/A         ND         PASS           Metalaxyl         0.003 / 0.010         15         N/A         ND         PASS           Methiocarb         0.003 / 0.008         ≥ LOD         N/A         ND         PASS           Methomyl         0.008 / 0.025         0.1         N/A         ND         PASS           Methoprene         0.172 / 0.521         N/A         ND         PASS           Mgkinphos         0.008 / 0.024         ≥ LOD         N/A         ND         PASS           MGK-264         0.015 / 0.047         N/A         ND         PASS           Naled         0.003 / 0.009         9         N/A         ND         PASS           Novaluron         0.002 / 0.005         N/A         ND         PASS           Novaluron         0.002 / 0.005         N/A         ND         PASS           Paclobutrazol         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Permethrin         0.056 / 0.168	Iprodione	0.077 / 0.233		N/A	ND	
λ-Cyhalothrin         0.068 / 0.206         N/A         ND           Malathion         0.003 / 0.009         5         N/A         ND         PASS           Metalaxyl         0.003 / 0.010         15         N/A         ND         PASS           Methiocarb         0.003 / 0.008         ≥ LOD         N/A         ND         PASS           Methomyl         0.008 / 0.025         0.1         N/A         ND         PASS           Methoprene         0.172 / 0.521         N/A         ND         ND           Mevinphos         0.008 / 0.024         ≥ LOD         N/A         ND         PASS           MGK-264         0.015 / 0.047         N/A         ND         PASS           Naled         0.003 / 0.009         9         N/A         ND         PASS           Novaluron         0.002 / 0.005         N/A         ND         PASS           Novaluron         0.002 / 0.005         N/A         ND         PASS           Paclobutrazol         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Pentachloronitrobenzene*         0.004 / 0.012         0.2         N/A         ND         PASS           Permethrin         0.056 / 0.	Kinoprene	0.077 / 0.233		N/A	ND	
Malathion         0.003 / 0.009         5         N/A         ND         PASS           Metalaxyl         0.003 / 0.010         15         N/A         ND         PASS           Methiocarb         0.003 / 0.008         ≥ LOD         N/A         ND         PASS           Methomyl         0.008 / 0.025         0.1         N/A         ND         PASS           Methoprene         0.172 / 0.521         N/A         ND         ND           Mevinphos         0.008 / 0.024         ≥ LOD         N/A         ND         PASS           MGK-264         0.015 / 0.047         N/A         ND         NA         ND         PASS           Naled         0.021 / 0.064         0.5         N/A         ND         PASS           Novaluron         0.002 / 0.005         N/A         ND         PASS           Paclobutrazol         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Parathion-methyl         0.016 / 0.050         ≥ LOD         N/A         ND         PASS           Permethrin         0.056 / 0.168         20         N/A         ND         PASS           Phenothrin         0.016 / 0.047         N/A         N/A         ND<	Kresoxim-methyl	0.006/0.019	1	N/A	ND	PASS
Metalaxyl         0.003 / 0.010         15         N/A         ND         PASS           Methiocarb         0.003 / 0.008         ≥ LOD         N/A         ND         PASS           Methomyl         0.008 / 0.025         0.1         N/A         ND         PASS           Methoprene         0.172 / 0.521         N/A         ND         ND           Mevinphos         0.008 / 0.024         ≥ LOD         N/A         ND         PASS           MGK-264         0.015 / 0.047         N/A         ND         PASS           Naled         0.003 / 0.009         9         N/A         ND         PASS           Naled         0.021 / 0.064         0.5         N/A         ND         PASS           Novaluron         0.002 / 0.005         N/A         ND         PASS           Paclobutrazol         0.007 / 0.051         0.2         N/A         ND         PASS           Parathion-methyl         0.016 / 0.050         ≥ LOD         N/A         ND         PASS           Permethrin         0.056 / 0.168         20         N/A         ND         PASS           Phenothrin         0.016 / 0.047         N/A         ND         ND	$\lambda$ -Cyhalothrin	0.068 / 0.206		N/A	ND	
Methiocarb         0.003 / 0.008         ≥ LOD         N/A         ND         PASS           Methomyl         0.008 / 0.025         0.1         N/A         ND         PASS           Methoprene         0.172 / 0.521         N/A         ND         ND           Mevinphos         0.008 / 0.024         ≥ LOD         N/A         ND         PASS           MGK-264         0.015 / 0.047         N/A         ND         ND         PASS           Naled         0.003 / 0.009         9         N/A         ND         PASS           Novaluron         0.002 / 0.005         N/A         ND         PASS           Novaluron         0.002 / 0.005         N/A         ND         PASS           Paclobutrazol         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Parathion-methyl         0.016 / 0.050         ≥ LOD         N/A         ND         PASS           Pentachloronitrobenzene*         0.004 / 0.012         0.2         N/A         ND         PASS           Penmethrin         0.056 / 0.168         20         N/A         ND         PASS	Malathion	0.003/0.009	5	N/A	ND	PASS
Methomyl         0.008/0.025         0.1         N/A         ND         PASS           Methoprene         0.172/0.521         N/A         ND           Mevinphos         0.008/0.024         ≥ LOD         N/A         ND         PASS           MGK-264         0.015/0.047         N/A         ND         ND         PASS           Myclobutanil         0.003/0.009         9         N/A         ND         PASS           Naled         0.021/0.064         0.5         N/A         ND         PASS           Novaluron         0.002/0.005         N/A         ND         PASS           Paclobutrazol         0.017/0.051         0.2         N/A         ND         PASS           Parathion-methyl         0.016/0.050         ≥ LOD         N/A         ND         PASS           Pentachloronitrobenzene*         0.004/0.012         0.2         N/A         ND         PASS           Permethrin         0.056/0.168         20         N/A         ND         PASS           Phenothrin         0.016/0.047         N/A         ND         ND	Metalaxyl	0.003/0.010	15	N/A	ND	PASS
Methoprene         0.172/0.521         N/A         ND           Mevinphos         0.008/0.024         ≥ LOD         N/A         ND         PASS           MGK-264         0.015/0.047         N/A         ND         ND         MSS           Myclobutanil         0.003/0.009         9         N/A         ND         PASS           Naled         0.021/0.064         0.5         N/A         ND         PASS           Novaluron         0.002/0.005         N/A         ND         PASS           Paclobutrazol         0.017/0.051         0.2         N/A         ND         PASS           Parathion-methyl         0.003/0.010         ≥ LOD         N/A         ND         PASS           Pentachloronitrobenzene*         0.004/0.012         0.2         N/A         ND         PASS           Permethrin         0.056/0.168         20         N/A         ND         PASS           Phenothrin         0.016/0.047         N/A         ND         ND	Methiocarb	0.003/0 <mark>.008</mark>	≥LOD	N/A	ND	PASS
Mevinphos         0.008/0.024         ≥ LOD         N/A         ND         PASS           MGK-264         0.015/0.047         N/A         ND         ND           Myclobutanil         0.003/0.009         9         N/A         ND         PASS           Naled         0.021/0.064         0.5         N/A         ND         PASS           Novaluron         0.002/0.005         N/A         ND         ND           Oxamyl         0.017/0.051         0.2         N/A         ND         PASS           Paclobutrazol         0.003/0.010         ≥ LOD         N/A         ND         PASS           Parathion-methyl         0.016/0.050         ≥ LOD         N/A         ND         PASS           Pentachloronitrobenzene*         0.004/0.012         0.2         N/A         ND         PASS           Permethrin         0.056/0.168         20         N/A         ND         PASS           Phenothrin         0.016/0.047         N/A         ND         ND	Methomyl	0.008/0.025	0.1	N/A	ND	PASS
MGK-264         0.015/0.047         N/A         ND           Myclobutanil         0.003/0.009         9         N/A         ND         PASS           Naled         0.021/0.064         0.5         N/A         ND         PASS           Novaluron         0.002/0.005         N/A         ND         ND           Oxamyl         0.017/0.051         0.2         N/A         ND         PASS           Paclobutrazol         0.003/0.010         ≥ LOD         N/A         ND         PASS           Parathion-methyl         0.016/0.050         ≥ LOD         N/A         ND         PASS           Pentachloronitrobenzene*         0.004/0.012         0.2         N/A         ND         PASS           Permethrin         0.056/0.168         20         N/A         ND         PASS           Phenothrin         0.016/0.047         N/A         ND         ND	Methoprene	0.172 / 0.521		N/A	ND	
Myclobutanil         0.003 / 0.009         9         N/A         ND         PASS           Naled         0.021 / 0.064         0.5         N/A         ND         PASS           Novaluron         0.002 / 0.005         N/A         ND         ND           Oxamyl         0.017 / 0.051         0.2         N/A         ND         PASS           Paclobutrazol         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Parathion-methyl         0.016 / 0.050         ≥ LOD         N/A         ND         PASS           Pentachloronitrobenzene*         0.004 / 0.012         0.2         N/A         ND         PASS           Permethrin         0.056 / 0.168         20         N/A         ND         PASS           Phenothrin         0.016 / 0.047         N/A         ND         ND	Mevinphos	0.008/0.024	≥LOD	N/A	ND	PASS
Naled         0.021/0.064         0.5         N/A         ND         PASS           Novaluron         0.002/0.005         N/A         ND         ND           Oxamyl         0.017/0.051         0.2         N/A         ND         PASS           Paclobutrazol         0.003/0.010         ≥ LOD         N/A         ND         PASS           Parathion-methyl         0.016/0.050         ≥ LOD         N/A         ND         PASS           Pentachloronitrobenzene*         0.004/0.012         0.2         N/A         ND         PASS           Permethrin         0.056/0.168         20         N/A         ND         PASS           Phenothrin         0.016/0.047         N/A         ND         ND	MGK-264	0.015 / 0.047		N/A	ND	
Novaluron         0.002 / 0.005         N/A         ND           Oxamyl         0.017 / 0.051         0.2         N/A         ND         PASS           Paclobutrazol         0.003 / 0.010         ≥ LOD         N/A         ND         PASS           Parathion-methyl         0.016 / 0.050         ≥ LOD         N/A         ND         PASS           Pentachloronitrobenzene*         0.004 / 0.012         0.2         N/A         ND         PASS           Permethrin         0.056 / 0.168         20         N/A         ND         PASS           Phenothrin         0.016 / 0.047         N/A         ND         ND	Myclobutanil	0.003 / 0.009	9	N/A	ND	PASS
Oxamyl         0.017/0.051         0.2         N/A         ND         PASS           Paclobutrazol         0.003/0.010         ≥ LOD         N/A         ND         PASS           Parathion-methyl         0.016/0.050         ≥ LOD         N/A         ND         PASS           Pentachloronitrobenzene*         0.004/0.012         0.2         N/A         ND         PASS           Permethrin         0.056/0.168         20         N/A         ND         PASS           Phenothrin         0.016/0.047         N/A         ND         ND	Naled	0.021 / 0.064	0.5	N/A	ND	PASS
Paclobutrazol         0.003/0.010         ≥ LOD         N/A         ND         PASS           Parathion-methyl         0.016/0.050         ≥ LOD         N/A         ND         PASS           Pentachloronitrobenzene*         0.004/0.012         0.2         N/A         ND         PASS           Permethrin         0.056/0.168         20         N/A         ND         PASS           Phenothrin         0.016/0.047         N/A         ND         ND	Novaluron	0.002 / 0.005		N/A	ND	
Parathion-methyl         0.016 / 0.050         ≥ LOD         N/A         ND         PASS           Pentachloronitrobenzene*         0.004 / 0.012         0.2         N/A         ND         PASS           Permethrin         0.056 / 0.168         20         N/A         ND         PASS           Phenothrin         0.016 / 0.047         N/A         ND         ND	Oxamyl	0.017/0.051	0.2	N/A	ND	PASS
Pentachloronitrobenzene*         0.004/0.012         0.2         N/A         ND         PASS           Permethrin         0.056/0.168         20         N/A         ND         PASS           Phenothrin         0.016/0.047         N/A         ND	Paclobutrazol	0.003/0.010	≥LOD	N/A	ND	PASS
Permethrin         0.056/0.168         20         N/A         ND         PASS           Phenothrin         0.016/0.047         N/A         ND	Parathion-methyl	0.016 / 0.050	≥LOD	N/A	ND	PASS
Phenothrin         0.016/0.047         N/A         ND	Pentachloronitrobenzene*	0.004/0.012	0.2	N/A	ND	PASS
	Permethrin	0.056 / 0.168	20	N/A	ND	PASS
DI	Phenothrin	0.016 / 0.047		N/A	ND	
Phosmet 0.00770.020 0.2 N/A ND PASS	Phosmet	0.007/0.020	0.2	N/A	ND	PASS
Piperonyl Butoxide         0.010 / 0.029         8         N/A         ND         PASS	Piperonyl Butoxide	0.010/0.029	8	N/A	ND	PASS
Pirimicarb         0.003 / 0.009         N/A         ND	Pirimicarb	0.003/0.009		N/A	ND	
Prallethrin         0.015 / 0.046         0.4         N/A         ND         PASS	Prallethrin	0.015 / 0.046	0.4	N/A	ND	PASS

Continued on next page







## Pesticide Analysis Continued

### PESTICIDE TEST RESULTS - 02/24/2023 continued **⊘** PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (μg/g)	RESULT
Propiconazole	0.027 / 0.080	20	N/A	ND	PASS
Propoxur	0.003 / 0.008	≥LOD	N/A	ND	PASS
Pyraclostrobin	0.003 / 0.010		N/A	ND	
Pyrethrins	0.016 / 0.049	1	N/A	ND	PASS
Pyridaben	0.005 / 0.017	3	N/A	ND	PASS
Pyriproxyfen	0.003 / 0.009		N/A	ND	
Resmethrin	0.013 / 0.039		N/A	ND	
Spinetoram	0.003 / 0.010	3	N/A	ND	PASS
Spinosad	0.003 / 0.010	3	N/A	ND	PASS
Spirodiclofen	0.031 / 0.093		N/A	ND	
Spiromesifen	0.016 / 0.050	12	N/A	ND	PASS
Spirotetramat	0.003 / 0.010	13	N/A	ND	PASS
Spiroxamine	0.020 / 0.062	≥LOD	N/A	ND	PASS
Tebuconazole	0.003 / 0.010	2	N/A	ND	PASS
Tebufenozide	0.003 / 0.008		N/A	ND	
Teflubenzuron	0.007 / 0.022		N/A	ND	
Tetrachlorvinphos	0.003 / 0.008		N/A	ND	
Tetramethrin	0.021 / 0.063		N/A	ND	
Thiabendazole	0.006 / 0.020		N/A	ND	
Thiacloprid	0.003 / 0.009	≥LOD	N/A	ND	PASS
Thiamethoxam	0.003 / 0.010	4.5	N/A	ND	PASS
Thiophanate-methyl	0.013 / 0.040		N/A	ND	
Trifloxystrobin	0.003/0.009	30	N/A	ND	PASS



## Mycotoxin Analysis

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

**Method:** OSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

### MYCOTOXIN TEST RESULTS - 02/24/2023 **⊘ PASS**

COMPOUND	LOD/LOQ (µg/kg)	ACTION LIMIT (µg/kg)	MEASUREMENT UNCERTAINTY (μg/kg)	RESULT (μg/kg)	RESULT
Aflatoxin B1	1.6 / 5.0		N/A	ND	
Aflatoxin B2	1.4 / 4.1		N/A	ND	
Aflatoxin G1	1.6 / 4.9		N/A	ND	
Aflatoxin G2	1.6 / 5.0		N/A	ND	
Total Aflatoxin		20		ND	PASS
Ochratoxin A	1.6 / 5.0	20	N/A	ND	PASS



### **Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS**

CANNADIPS CBD - PALMIE | DATE ISSUED 02/24/2023





## **Residual Solvents Analysis**

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: QSP 1204 - Analysis of Residual Solvents by GC-MS

**Total Butanes** = n-Butane + 2-Methylpropane (Isobutane) Total Pentanes = n-Pentane + 2-Methylbutane (Isopentane) Total Hexanes = n-Hexane + 2,2-Dimethylbutane (Neohexane) + 2,3-Dimethylbutane / 2-Methylpentane (Isohexane) + 3-Methylpentane

Total Heptanes = 2,2-Dimethylpentane (Neoheptane) + 2,3-Dimethylpentane + 2,4-Dimethylpentane + 3,3-Dimethylpentane + 2,2,3-Trimethylbutane (Triptane) + 2-Methylhexane (Isoheptane) + 3-Methylhexane + 3-Ethylpentane + n-Heptane **Total Xylenes** = 1,2-Dimethylbenzene (o-Xylene) + 1,3-Dimethylbenzene (m-Xylene) / 1,4-Dimethylbenzene (p-Xylene) +

### RESIDUAL SOLVENTS TEST RESULTS - 02/23/2023 **⊘ PASS**

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)	RESULT
Propane	0.234 / 0.781	5000	N/A	ND	PASS
2-Methylpropane (Isobutane)	0.052 / 0.173		N/A	ND	
n-Butane	0.019 / 0.063	5000	±0.0446	1.078	PASS
Total Butanes				1.078	
2-Methylbutane (Isopentane)	0.310 / 1.035		N/A	ND	
2,2-Dimethylpropane (Neopentane)	0.035 / 0.117		N/A	ND	
n-Pentane	0.310 / 1.033	5000	±0.0336	1.075	PASS
<b>Total Pentanes</b>				1.075	
2,2-Dimethylbutane (Neohexane)	9.831 / 32.77		N/A	ND	
2,3-Dimethylbutane / 2-Methylpentane	0.381 / 1.271		N/A	ND	
3-Methylpentane	0.109 / 0.365		N/A	ND	
n-Hexane	0.110 / 0.366	290	N/A	ND	PASS
Total Hexanes				ND	
Cyclohexane	0.357 / 1.190		N/A	ND	
2,2-Dimethylpentane (Neoheptane)	0.493 / 1.642		N/A	ND	
2,3-Dimethylpentane	1.009 / 3.365		N/A	ND	
2,4-Dimethylpentane	0.737 / 2.458		N/A	ND	
3,3-Dimethylpentane	0.198 / 0.660		N/A	ND	
2,2,3-Trimethylbutane (Triptane)	0.521 / 1.738		N/A	ND	
2-Methylhexane (Isoheptane)	0.610/2.034		N/A	ND	
3-Methylhexane	0.235 <mark>/ 0.785</mark>		N/A	ND	
3-Ethylpentane	0.304/1.012		N/A	ND	
n-Heptane	13.12 / 43.72	5000	N/A	ND	PASS
Total Heptanes				ND	
Cycloheptane	0.597 / 1.989		N/A	ND	
Benzene	0.089 / 0.295	1	N/A	ND	PASS
Toluene	0.115 / 0.382	890	N/A	ND	PASS
Cumene	0.180 / 0.600		N/A	ND	
1,3-Dimethylbenzene / 1,4-Dimethylbenzene	0.451 / 1.502		N/A	ND	
1,2-Dimethylbenzene (o-Xylene)	0.387 / 1.289		N/A	ND	
Ethylbenzene	0.370 / 1.233		N/A	ND	
Total Xylenes		2170		ND	PASS
Methanol	5.534 / 16.77	3000	±0.407	31.28	PASS
Ethanol	8.984 / 27.23	5000	±0.470	30.10	PASS
1-Propanol	1.540 / 5.133		N/A	ND	
2-Propanol (Isopropyl Alcohol)	8.421 / 25.52	5000	N/A	ND	PASS

Continued on next page





### RESIDUAL SOLVENTS TEST RESULTS - 02/23/2023 continued PASS

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (μg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (μg/g)	RESULT
1-Butanol	0.475 / 1.582		N/A	ND	
2-Butanol	7.248 / 24.16		N/A	ND	
1-Pentanol	1.461 / 4.869		N/A	ND	
Acetone	9.510 / 28.82	5000	N/A	<loq< td=""><td>PASS</td></loq<>	PASS
2-Butanone	0.169 / 0.564		N/A	ND	
Tetrahydrofuran	0.622 / 2.075		N/A	ND	
Ethyl Ether	0.197 / 0.658	5000	N/A	ND	PASS
Ethylene Glycol	3.803 / 12.68		N/A	ND	
2-Ethoxyethanol	1.235 / 4.118		N/A	ND	
1,2-Dimethoxyethane	2.116 / 7.052		N/A	ND	
1,4-Dioxane	0.468 / 1.558		N/A	ND	
Ethylene Oxide	0.253 / 0.844	1	N/A	ND	PASS
Ethyl Acetate	1.123 / 3.745	5000	N/A	ND	PASS
Isopropyl Acetate	0.347 / 1.158		N/A	ND	
Chloroform	0.251 / 0.838	1	N/A	ND	PASS
Dichloromethane (Methylene Chloride)	2.651 / 8.838	1	N/A	ND	PASS
Trichloroethylene	0.299 / 0.996	1	N/A	ND	PASS
1,2-Dichloroethane	0.162 / 0.541	1	N/A	ND	PASS
1,1-Dichloroethene	0.185 / 0.616		N/A	ND	
1,2-Dichloroethene	0.428 / 1.427		N/A	ND	
Sulfolane	47.66 / 158.9		N/A	ND	
Dimethyl Sulfoxide	6.168/20.56		N/A	ND	
Acetonitrile	1.595 / 4.833	410	N/A	ND	PASS
Pyridine	0.407 / 1.355		N/A	ND	
N,N-Dimethylacetamide	0.127/0.422		N/A	ND	
N,N-Dimethylformamide	0.946 / 3.153		N/A	ND	



## **Heavy Metals Analysis**

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

Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

### HEAVY METALS TEST RESULTS - 02/21/2023 **⊘ PASS**

COMPOUND	LOD/LOQ (µg/g)	ACTION LIMIT (µg/g)	MEASUREMENT UNCERTAINTY (μg/g)	RESULT (µg/g)	RESULT
Arsenic	0.02/0.1	1.5	±0.00	0.1	PASS
Cadmium	0.02/0.05	0.5	N/A	ND	PASS
Lead	0.04/0.1	0.5	±0.00	0.2	PASS
Mercury	0.002 / 0.01	3	N/A	<loq< th=""><th>PASS</th></loq<>	PASS







### **Microbiology Analysis**

PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

### MICROBIOLOGY TEST RESULTS (PCR) - 02/22/2023 PASS

COMPOUND	ACTION LIMIT (cfu/g)	RESULT (cfu/g)	RESULT
Shiga toxin-producing Escherichia coli	Not Detected in 25g	ND	PASS
Salmonella spp.	Not Detected in 25g	ND	PASS
Aspergillus fumigatus	Not Detected in 1g	ND	PASS
Aspergillus flavus	Not Detected in 1g	ND	PASS
Aspergillus niger	Not Detected in 1g	ND	PASS
Aspergillus terreus	Not Detected in 1g	ND	PASS
Candida albicans		ND	
Campylobacter spp.		ND	
Yersinia spp.		ND	
Listeria monocytogenes		ND	
Bile-Tolerant Gram-Negative Bacteria		ND	
Staphylococcus aureus		ND	

Analysis conducted by 3M<sup>™</sup> Petrifilm<sup>™</sup> and plate counts of microbiological contaminants.

Method: QSP 6794 - Plating with 3M™ Petrifilm™

#### MICROBIOLOGY TEST RESULTS (PLATING) - 02/22/2023 DETECTED

COMPOUND	RESULT (cfu/g)
Total Aerobic Bacteria	1300.0
Total Yeast and Mold	ND
Total Enterobacteriaceae	ND
Escherichia coli	ND
Coliforms	ND



## Foreign Material Analysis

Visual analysis includes, but is not limited to, sand, soil, cinders, dirt, mold, hair, insect fragments, and mammalian excreta.

**Method:** QSP 1226 - Analysis of Foreign Material in Cannabis and Cannabis Products

### FOREIGN MATERIAL TEST RESULTS - 02/19/2023 PASS

COMPOUND	ACTION LIMIT	RESULT
Total Sample Area Covered by Sand, Soil, Cinders, or Dirt	>25%	PASS
Total Sample Area Covered by Mold	>25%	PASS
Total Sample Area Covered by an Imbedded Foreign Material	>25%	PASS
Insect Fragment Count	> 1 per 3 grams	PASS
Hair Count	> 1 per 3 grams	PASS
Mammalian Excreta Count	> 1 per 3 grams	PASS







# Water Activity Analysis

Method: QSP 1227 - Analysis of Water Activity in Cannabis and Cannabis Products

### WATER ACTIVITY TEST RESULTS - 02/20/2023 PASS

COMPOUND	LOD/LOQ (Aw)	ACTION LIMIT (Aw)	MEASUREMENT UNCERTAINTY (Aw)	RESULT (Aw)	RESULT
Water Activity	0.030 / 0.030	0.85	±0.0134	0.275	PASS

