



# Certificate of Analysis

Powered by Confident Cannabis  
1 of 2

## BioPulse Labs

1825 S Eastbay  
Provo, UT 84606  
nick@biopulselabs.com  
(801) 607-5096  
Lic. #

Sample: 2007CNS0851.4489

Strain: CBD  
Lot #: 164585;  
Sample Received: 07/29/2020; Report Created: 08/03/2020  
Harvest Process Lot:  
METRC Batch: ; METRC Sample:

## 164585 Karl

Concentrates & Extracts, Distillate



## Safety

Pass	Pass	Pass
Pesticides	Microbials	Mycotoxins
Pass	Pass	Pass
Solvents	Metals	Foreign Matter

## Cannabinoids

	ND	21.6032%	ND	NT
	Total THC	Total CBD	Δ9-THC	Moisture
Analyte	LOQ	Mass	Mass	Mass
	%	%	mg/g	mg/g
CBDV	0.0700	<LOQ	<LOQ	<LOQ
THCV	0.0700	<LOQ	<LOQ	<LOQ
CBD	0.0700	21.6032	216.032	216.032
CBG	0.0700	<LOQ	<LOQ	<LOQ
CBDa	0.0700	<LOQ	<LOQ	<LOQ
CBGa	0.0700	<LOQ	<LOQ	<LOQ
CBN	0.0700	<LOQ	<LOQ	<LOQ
Δ9-THC	0.0700	<LOQ	<LOQ	<LOQ
Δ8-THC	0.0700	<LOQ	<LOQ	<LOQ
CBC	0.0700	<LOQ	<LOQ	<LOQ
THCa	0.0700	<LOQ	<LOQ	<LOQ
CBCa	0.0700	<LOQ	<LOQ	<LOQ
<b>Total</b>		<b>21.6032</b>	<b>216.032</b>	<b>216.032</b>

Total THC = THCa \* 0.877 + Δ9-THC + Δ8-THC. Total CBD = CBDa \* 0.877 + CBD. LOQ = Limit of Quantitation; ND = Not Detectable, NR = Not Reported, NT = Not Tested. Cannabinoids analyzed per Canalysis SOP-06/SOP-14 on an Agilent 1220 HPLC-DAD. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.  
Notes:

## Terpenes

Analyte	LOQ	Mass	Mass
	mg/g	mg/g	%
d-3-Carene	0.100	<0.100	<0.0100
α-Bisabolol	0.100	<0.100	<0.0100
α-Humulene	0.100	<0.100	<0.0100
α-Pinene	0.100	<0.100	<0.0100
α-Terpinene	0.100	<0.100	<0.0100
β-Caryophyllene	0.100	<0.100	<0.0100
β-Myrcene	0.100	<0.100	<0.0100
β-Pinene	0.100	<0.100	<0.0100
Camphene	0.100	<0.100	<0.0100
Caryophyllene Oxide	0.100	<0.100	<0.0100
cis-Nerolidol	0.100	<0.100	<0.0100
δ-Limonene	0.100	<0.100	<0.0100
Eucalyptol	0.100	<0.100	<0.0100
γ-Terpinene	0.100	<0.100	<0.0100
Guaiol	0.100	<0.100	<0.0100
Linalool	0.100	<0.100	<0.0100
a-Ocimene	0.100	<0.100	<0.0100
p-Cymene	0.100	<0.100	<0.0100
Terpinolene	0.100	<0.100	<0.0100
trans-Nerolidol	0.100	<0.100	<0.0100
b-Ocimene	0.100	<0.100	<0.0100
<b>Total</b>		<b>0.000</b>	<b>0</b>

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; ND = Not Detectable, NR = Not Reported, NT = Not Tested. Terpenes analyzed per Canalysis SOP-09 on an Agilent 7890B HS-GC-FID. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.  
Notes:

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Accreditation #101469

*Trevor Low*  
Trevor Low  
Lab Director

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### Pesticides

Pass

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Abamectin	0.010	0.200	ND	Pass
Acequinocyl	0.010	4.000	ND	Pass
Beta-Cyfluthrin	0.050	2.000	ND	Pass
Bifenazate	0.010	0.400	ND	Pass
Bifenthrin	0.010	0.100	ND	Pass
Cypermethrin	0.010	1.000	ND	Pass
Daminozide	0.020	0.800	ND	Pass
Dimethomorph	0.010	2.000	ND	Pass
Etoxazole	0.010	0.400	ND	Pass
Fenhexamid	0.010	1.000	ND	Pass
Flonicamid	0.010	1.000	ND	Pass
Fludioxonil	0.010	0.500	ND	Pass
Imidacloprid	0.010	0.500	ND	Pass
Myclobutanil	0.010	0.400	ND	Pass
Pacllobutrazol	0.010	0.400	ND	Pass
Piperonyl Butoxide	0.010	3.000	ND	Pass
Pyrethrins	0.010	2.000	ND	Pass
Quintozene	0.050	0.800	ND	Pass
Spinetoram	0.010	1.000	ND	Pass
Spinosad	0.010	1.000	ND	Pass
Spirotetramat	0.010	1.000	ND	Pass
Thiamethoxam	0.010	0.400	ND	Pass
Trifloxystrobin	0.010	1.000	ND	Pass

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; ND = Not Detectable, NR = Not Reported, NT = Not Tested. Pesticides analyzed per Canalysis SOP-10/SOP-15 using Agilent 1260 LC-MS and/or 7000 GC-MS. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.  
Notes:

### Microbials

Pass

Analyte	Limit	Mass	Status
	CFU/g	CFU/g	
Shiga toxin-producing E. coli	ND in 1g	ND	Pass
Salmonella	ND in 1g	ND	Pass
Aspergillus (niger, terreus, flavus, fumigatus)	ND in 1g	ND	Pass
Total yeast & mold	1000	ND	Pass
Bile-Tolerant Gram-Negative Bacteria	100	ND	Pass

Counts over 20,000 are estimates for Bile-Tolerant Gram-Negative Bacteria and Total coliforms. Counts over 40,000 are estimates for Yeast & Mold. ND = Not Detectable, NR = Not Reported, NT = Not Tested. Yeast & Mold, Bile-tolerant bacteria, and Total coliform analyzed by SOP-M003 (chromogenic plates). Aspergillus, Salmonella, and E. coli analyzed by SOP-M004 and SOP-M005 (qPCR). Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.  
Notes:

### Residual Solvents

Pass

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Acetonitrile	50.000	410.000	ND	Pass
n-Butane	50.000	500.000	ND	Pass
Ethanol	50.000	5000.000	ND	Pass
Heptanes	50.000	500.000	ND	Pass
Isobutane	50.000	500.000	ND	Pass
Methanol	50.000	3000.000	ND	Pass
n-Hexane	50.000	290.000	ND	Pass
Propane	50.000	500.000	ND	Pass

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; ND = Not Detectable, NR = Not Reported, NT = Not Tested. Residual Solvents analyzed per Canalysis SOP-13 on an Agilent 7890B HS-GC-FID. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.  
Notes:

### Heavy Metals

Pass

Analyte	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Arsenic	250.000	2000.000	<LOQ	Pass
Cadmium	250.000	820.000	<LOQ	Pass
Lead	250.000	1200.000	<LOQ	Pass
Mercury	25.000	400.000	<LOQ	Pass

LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; ND = Not Detectable, NR = Not Reported, NT = Not Tested. Heavy Metals analyzed per Canalysis SOP-08 on an Agilent 7800 ICP-MS.  
Notes:

### Mycotoxins

Pass

Analyte	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Aflatoxins	10.00	20.00	ND	Pass
Ochratoxin A	10.00	20.00	ND	Pass

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