





# Certificate of Analysis

Sample provided to the laboratory by the client and tested as received.

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## Black Tie CBD

PO Box 1949  
Myrtle Creek, OR 97457  
support@blacktiecbd.net  
(888) 702-2285  
Lic. #

Sample: 1912CH0303.1302

Strain: Purple Haze  
Batch#: ; Batch Size: g  
Sample Received: 12/16/2019; Report Created: 12/31/2019; Expires: 12/31/2020  
Harvest/Production Date:  
Sampling: Random; Environment: Room Temp

## Purple Haze (CBD)

Plant, Flower - Cured, Greenhouse  
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



## Terpenes

598 GCFID1 20191218-1  
12/18/2019

Analyte	Mass %	Mass mg/g	LOQ %
cis-Phytol	<LOQ	<LOQ	0.02
Valencene	<LOQ	<LOQ	0.02
Sabinene	<LOQ	<LOQ	0.02
Ocimene 1	<LOQ	<LOQ	0.02
Geraniol	<LOQ	<LOQ	0.02
Neral	<LOQ	<LOQ	0.02
α-Humulene	0.06	0.6	0.02
α-Terpinene	<LOQ	<LOQ	0.02
trans-Phytol	0.04	0.4	0.02
Caryophyllene Oxide	<LOQ	<LOQ	0.02
(-)-β-Pinene	0.14	1.4	0.02
α-Pinene	0.31	3.1	0.02
Camphor	<LOQ	<LOQ	0.02
(-)-α-Bisabolol	0.08	0.8	0.02
α-Cedrene	<LOQ	<LOQ	0.02
Terpinolene	<LOQ	<LOQ	0.02
Endo-Fenchyl Alcohol	0.03	0.3	0.02
p-Isopropyltoluene	<LOQ	<LOQ	0.02
Azulene	<LOQ	<LOQ	0.02
α-Terpineol	<LOQ	<LOQ	0.02
Cedrol	0.46	4.6	0.02
Citral	<LOQ	<LOQ	0.02
(-)-Guaiol	<LOQ	<LOQ	0.02
β-Nerolidol	<LOQ	<LOQ	0.02
Linalool	0.03	0.3	0.02
Neryl Acetate	<LOQ	<LOQ	0.02

Analyte	Mass %	Mass mg/g	LOQ %
β-Myrcene	1.67	16.7	0.02
γ-Terpinene	<LOQ	<LOQ	0.02
Anisole	<LOQ	<LOQ	0.02
Fenchone	<LOQ	<LOQ	0.02
Isoborneol	<LOQ	<LOQ	0.02
δ-Limonene	0.15	1.5	0.02
Ocimene 2	0.06	0.6	0.02
Camphene	<LOQ	<LOQ	0.02
α-Phellandrene	<LOQ	<LOQ	0.02
γ-Terpineol	<LOQ	<LOQ	0.02
Geranyl Acetate	<LOQ	<LOQ	0.02
β-Caryophyllene	0.21	2.1	0.02
Sabinene Hydrate	<LOQ	<LOQ	0.02
Farnesene	0.03	0.3	0.02
Nerol	<LOQ	<LOQ	0.02
trans-Nerolidol	0.03	0.3	0.02
Borneol	<LOQ	<LOQ	0.02
Hexahydro Thymol	<LOQ	<LOQ	0.02
Squalene	<LOQ	<LOQ	0.02
δ-3-Carene	<LOQ	<LOQ	0.02
Eucalyptol	<LOQ	<LOQ	0.02
Eugenol	<LOQ	<LOQ	0.02
(-)-Isopulegol	<LOQ	<LOQ	0.02
Pulegone	<LOQ	<LOQ	0.02
cis-Nerolidol	<LOQ	<LOQ	0.02

## Primary Aromas

3.30% Total Terpenes	 Hops	 Wood	 Pine	 Cinnamon	 Orange
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Method: GC-FID CH SOP 401; based on dry weight; LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected



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(503) 305-5252  
http://chemhistory.com  
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*Douglas Duncan*

Douglas Duncan  
Laboratory Director

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## Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
478 HPLC4 20191217-1	PMB12161902F	Cannabinoids	Blank

### QC Notes

None

Compounds	Blank Result	Blank Max % (LOQ)	Blank Result %	Notes
THCa	0	0.05	<LOQ	-
Δ9-THC	0	0.05	<LOQ	-
CBDa	0	0.05	<LOQ	-
CBD	0	0.05	<LOQ	-



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## Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
478 HPLC4 20191217-1	PLCS12161902F	Cannabinoids	Lab Control Sample

### QC Notes

None

Compounds	LCS Result (%)	LCS Spike	LCS % Rec	% Limits	Notes
THCa	4.04	4.13	97.82	70 - 130	-
$\Delta^9$ -THC	3.64	3.99	91.23	70 - 130	-
CBDa	3.88	4.02	96.52	70 - 130	-
CBD	4	4.03	99.26	57 - 143	-



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## Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
478 HPLC4 20191217-1	PMS12161902F	Cannabinoids	Spike

### QC Notes

None

Compounds	LOQ	Matrix Duplicate % RPD	Duplicate RPD Notes	Matrix Spike % Rec	% Limits	Notes
THCa	0.04	0	<20	96	70 - 130	-
Δ9-THC	0.04	0	<20	104	70 - 130	-
CBDa	0.04	0.06	<20	4	70 - 130	Below Limit Range
CBD	0.04	2.67	<20	97	70 - 130	-



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