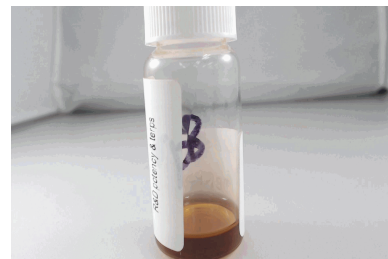


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**00260711 1st PASS terp**  
*Midwest Extraction Services*  
*Info Only Project- Extract/Concentrate*



**Confident Cannabis ID:** 1906ELP0058.1900

**Sample ID:** P190459-05

**Matrix:** Extract/Concentrate

**METRC Batch #:**

**Sampling Method/SOP:** SOP.T.20.010

**Date Sampled:** 06/17/19 09:00

**Date Accepted:** 06/17/19

**Harvest/Process Lot ID:**

**Batch ID:**

**Batch Size (g):**

**Unit for Sale:**

**Harvest/Production Date:**

## Cannabinoid Analysis

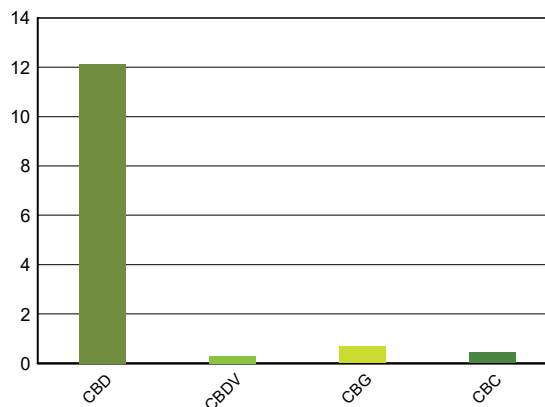
**FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES**

Date/Time Extracted: 06/18/19 15:33

Analysis Method/SOP: SOP.T.40.023PDX

Date/Time Analyzed: 06/19/19 09:27

Cannabinoids	LOQ(%)	mg/g	% weight	Cannabinoid Profile
<b>Total THC</b> ((THCA*0.877)+Δ9THC)		<b>&lt; LOQ</b>	<b>&lt; LOQ</b>	
<b>Total CBD</b> ((CBDA*0.877)+CBD)		<b>121</b>	<b>12.1</b>	
THCA	0.100	< LOQ	< LOQ	
delta 9-THC	0.100	< LOQ	< LOQ	
delta 8-THC	0.100	< LOQ	< LOQ	
CBGA	0.100	< LOQ	< LOQ	
CBDA	0.100	< LOQ	< LOQ	
CBD	0.100	121	12.1	
CBDV	0.100	2.99	0.299	
CBN	0.100	< LOQ	< LOQ	
CBG	0.100	6.88	0.688	
CBC	0.100	4.4	0.440	
THCV-A	0.100	< LOQ	< LOQ	
CBDV-A	0.100	< LOQ	< LOQ	
CBL	0.100	< LOQ	< LOQ	
Sum of tested Cannabinoids	0.100	133	13.3	



"Total THC" and "Total CBD" are calculated values and are an Oregon reporting requirement (OAR 333-064-0100). For Cannabinoid analysis, only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes. Cannabinoid values reported for plant matter are dry weight corrected; Oregon Water Activity action level is 0.65Aw and Oregon Moisture Content action level is 15%, Samples above limit will be highlighted RED; FD = Field Duplicate; LOQ = Limit of Quantitation.

Kawai Medeiros  
Laboratory Manager - 6/21/2019

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00260711 1st PASS terp

Midwest Extraction Services

Info Only Project- Extract/Concentrate

Sample ID: P190459-05 METRC Batch #:

Matrix: Extract/Concentrate

Date Sampled: 06/17/19 09:00

Date Accepted: 06/17/19

Batch ID:

Batch Size:

Sampling Method/SOP: SOP.T.20.010

## Terpene Analysis

Date/Time Extracted: 06/18/19 16:57

Analysis Method/SOP: SOP.T.40.092

Date/Time Analyzed: 06/19/19 15:38

Analyte	LOQ (mg/g)	Mass (mg/g)	Mass (%)	Analyte	LOQ (mg/g)	Mass (mg/g)	Mass (%)
alpha-Pinene	0.500	2.93	0.293	beta-Pinene	0.500	2.95	0.295
Camphene	0.500	3.01	0.301	Sabinene	0.500	3.19	0.319
Sabinene hydrate	0.500	4.82	0.482	beta-Myrcene	0.500	3.23	0.323
p-Mentha-1,5-diene	0.500	3.27	0.327	(+)-3-Carene	0.500	2.78	0.278
alpha-Terpinene	0.500	2.87	0.287	gamma-Terpinene	0.500	3.08	0.308
Limonene	0.500	3.69	0.369	Eucalyptol	0.500	2.89	0.289
Guaiol	0.500	58.6	5.86	Terpinolene	0.500	3.26	0.326
Linalool	0.500	5.09	0.509	Camphor	0.500	3.86	0.386
(+)-Camphor	0.500	< LOQ	< LOQ	(-)-Camphor	0.500	4.64	0.464
Isopulegol	0.500	4.16	0.416	Isoborneol	0.500	4.06	0.406
Borneol	0.500	8.98	0.898	Hexahydrothymol	0.500	4.09	0.409
Geraniol	0.500	4.48	0.448	(+)-Pulegone	0.500	3.44	0.344
Nerol	0.500	4.42	0.442	cis-Nerolidol	0.500	4.53	0.453
trans-Nerolidol	0.500	8.79	0.879	Geranyl acetate	0.500	4.77	0.477
alpha-Cedrene	0.500	< LOQ	< LOQ	trans-Caryophyllene	0.500	90.0	9
Caryophyllene Oxide	0.500	35.2	3.52	alpha-Humulene	0.500	38.9	3.89
Valencene	0.500	< LOQ	< LOQ	alpha-Farnesene	0.500	< LOQ	< LOQ
beta-Farnesene	0.500	29.8	2.98	Cedrol	0.500	9.32	0.932
alpha-Bisabolol	0.500	31.6	3.16	Fenchone	0.500	3.74	0.374
Fenchyl Alcohol	0.500	5.15	0.515	trans, beta- Ocimene	0.500	2.86	0.286
beta, cis- Ocimene	0.500	2.92	0.292	Terpineol	0.500	5.59	0.559
Total (Sum):						420.96	42.10

Analysis performed on GCMS with confirmation ion identification. Terpene analysis is not ORELAP accredited.  
Results reported as wet weight, or as is. LOQ = Limit of Quantitation



Kawai Medeiros  
Laboratory Manager - 6/21/2019

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## Quality Control

**Batch: P19F054 - SOP.T.30.050PDX Prep for Cannabinoids**

Blank(P19F054-BLK1)				Extracted: 06/18/19 15:33		Analyzed: 06/19/19 09:27	
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
THCA	< LOQ	0.100 (%)	< LOQ	delta 9-THC	< LOQ	0.100 (%)	< LOQ
delta 8-THC	< LOQ	0.100 (%)	< LOQ	CBDA	< LOQ	0.100 (%)	< LOQ
CBD	< LOQ	0.100 (%)	< LOQ	CBG	< LOQ	0.100 (%)	< LOQ
CBN	< LOQ	0.100 (%)	< LOQ	CBC	< LOQ	0.100 (%)	< LOQ
Sum of tested Cannabinoid:	< LOQ	0.100 (%)	< LOQ				



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