



Certificate ID: **31920**

Received: **6/11/18**

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**Pur Iso Labs LLC**

Client Sample ID: **Water Concentrate- Energy Profile**

**109 Enterprise Parkway, Suite 204**

Lot Number: **PILEP101**

**Boerne, TX 78006**

Matrix: **Concentrates/Extracts - Alcohol**

**Attn: Austin Ruple**



Authorization: <b>Matthew Silva, Chemical Engineer</b>	Signature: 	Date: <b>6/21/2018</b>
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The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2005. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**CN: Cannabinoid Profile & Potency [WI-10-04]**

*Analyst: RAS*

*Test Date: 6/21/2018*

The client sample was analyzed for plant-based cannabinoids by Convergence Chromatography (CC). The collected data was compared to data collected for certified reference standards at known concentrations.

**31920-CN**

ID	Weight %	Conc.		
<b>Δ9-THC</b>	<b>0.07 wt %</b>	<b>0.69 mg/mL</b>		
<b>THCV</b>	<b>ND</b>	<b>ND</b>		
<b>CBD</b>	<b>1.68 wt %</b>	<b>17.03 mg/mL</b>		
<b>CBDV</b>	<b>0.01 wt %</b>	<b>0.12 mg/mL</b>		
<b>CBG</b>	<b>0.05 wt %</b>	<b>0.54 mg/mL</b>		
<b>CBC</b>	<b>0.06 wt %</b>	<b>0.58 mg/mL</b>		
<b>CBN</b>	<b>ND</b>	<b>ND</b>		
<b>THCA</b>	<b>ND</b>	<b>ND</b>		
<b>CBDA</b>	<b>ND</b>	<b>ND</b>		
<b>CBGA</b>	<b>ND</b>	<b>ND</b>		
<b>Total</b>	<b>1.87 wt%</b>	<b>18.97 mg/mL</b>	<b>0%</b>	<b>Cannabinoids (wt%) 1.7%</b>
<b>Max THC</b>	<b>0.07 wt%</b>	<b>0.69 mg/mL</b>		
<b>Max CBD</b>	<b>1.68 wt%</b>	<b>17.03 mg/mL</b>		

**Ratio of Total CBD to THC 24.5:1**

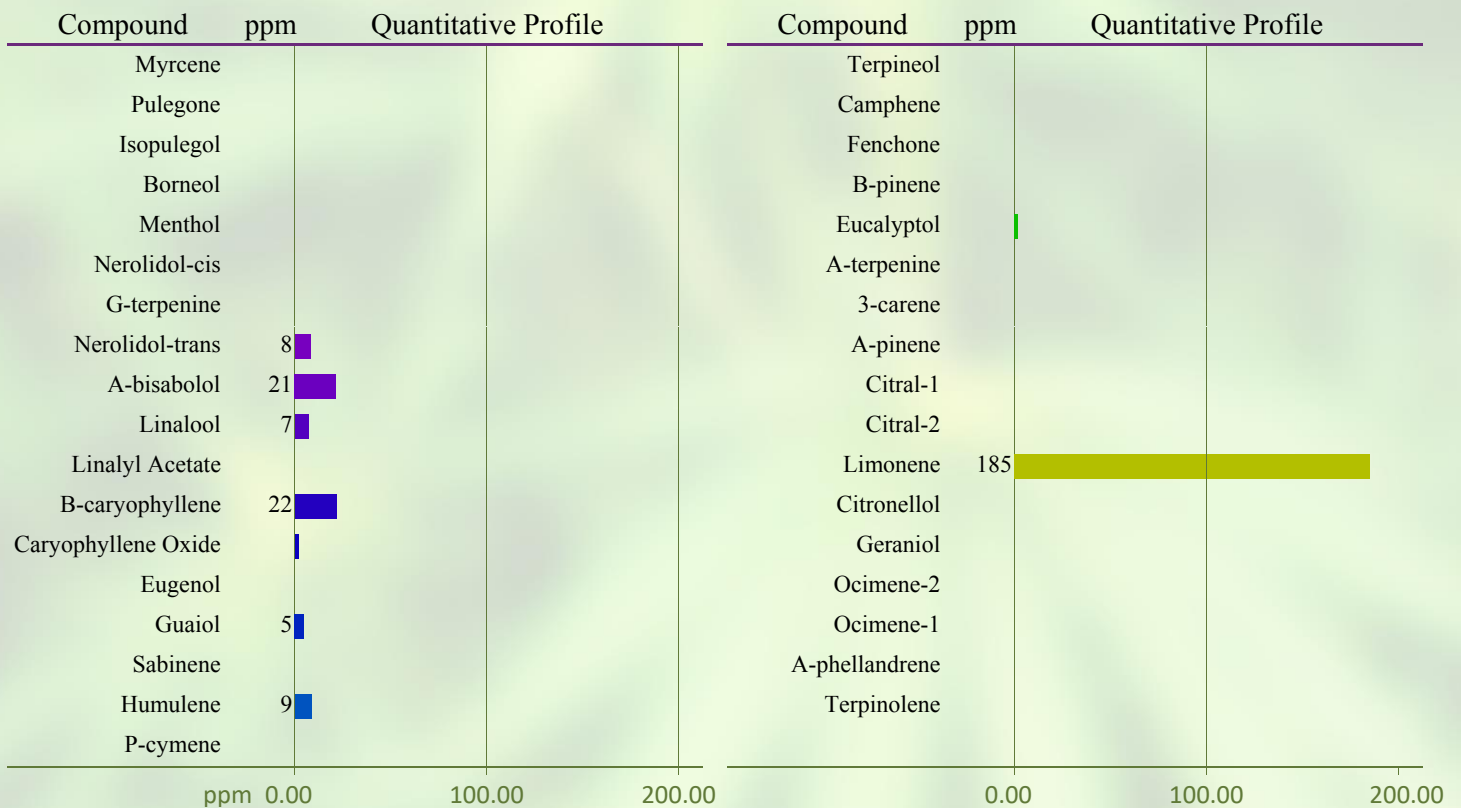
Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. ND = None detected above the limits of detection (LLD)

**TP: Terpenes Profile [W1-10-08]**

Analyst: CJH

Test Date: 6/16/2018

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations.

**31920-TP**

Total Terpene: &lt;0.1 wt%

\* Indicates qualitative calculation based on recorded peak areas.

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations.

**31920-VC**

Compound	CAS	Amount <sup>1</sup>	Limit <sup>2</sup>	Status
Propane	74-98-6	ND	N/A	-
Isobutane	75-28-5	ND	5,000 ppm	PASS
Butane	106-97-8	ND	5,000 ppm	PASS
Methanol	67-56-1	ND	3,000 ppm	PASS
Ethanol	64-17-5	ND	5,000 ppm	PASS
2,2-Dimethylbutane	75-83-2	ND	N/A	-
Acetone	67-64-1	10 ppm	5,000 ppm	PASS
Isopropanol	67-63-0	10 ppm	5,000 ppm	PASS
2,3-Dimethylbutane	79-29-8	ND	N/A	-
Hexane	110-54-3	ND	290 ppm	PASS
2-Butanone	78-93-3	ND	N/A	-
Heptane	142-82-5	11 ppm	5,000 ppm	PASS

1) ND = None detected above 5 ppm.

2) In ppm, based on USP recommended limits for residual solvents, adopted by the Massachusetts Department of Public Health on 3/31/16. Butane/Propane limits are based on limits established for state of Colorado.

**END OF REPORT**