



12025 NE Marx St. Portland, OR 97220
503-253-3511 / www.greenleaflab.org

Green Leaf Lab proudly follows TNI 2009
Quality Standards

Hempsi Sample 3

Hempsi LLC

Date Sampled: 04/22/19 00:00

Date Accepted: 04/22/19

Sample ID: G9D0349-02

Results at a Glance

Total CBD : 70.12 %

Total Terpenes : 9.983 % PASS

R&D Testing Only – Not Viable for Oregon Compliance Testing

Eric Wendt
Chief Science Officer - 4/24/2019



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Sample ID: G9D0349-02

Matrix: Extracts and Concentrates

M #: 1008238

Potency Analysis

Date/Time Extracted: 04/23/19 11:09

Analysis Method/SOP: 215

Date/Time Analyzed: 04/23/19 16:14

Batch Identification: 1917013

Cannabinoids (% weight)	Decarboxylated* %	Cannabinoids Profile
Total THC ((THCA*0.877)+Δ9)	< LOQ	<p>A 3D pie chart illustrating the cannabinoid profile. The chart is predominantly yellow, representing CBDA at 79.1%. A very small green slice represents CBD at 0.7%. A legend to the right of the chart lists: CBDA 79.1, CBD 0.7, Total: 79.9. The chart is set against a background of a repeating hexagonal pattern.</p>
Total CBD ((CBDA*0.877)+CBD)	70.12	
THCA	< LOQ	
delta 9-THC	< LOQ	
delta 8-THC	< LOQ	
THCV	< LOQ	
CBD	0.7243	
CBDA	79.13	
CBDV	< LOQ	
CBDVA	< LOQ	
CBN	< LOQ	
CBG	< LOQ	
CBGA	< LOQ	
CBC	< LOQ	
CBCA	< LOQ	
CBLA	< LOQ	
Total Cannabinoids	79.85	

<LOQ - Results below the Limit of Quantitation - Compound not detected. LOQ = 5 PPM (mg/L)

For Potency only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes.

Water Activity Action Level is 0.65. Results above 0.65 fail state testing requirements and will be highlighted Red.

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M #: 1008238

Terpene Analysis

Date/Time Extracted: 04/23/19 11:09

Analysis Method/SOP: 204

Date/Time Analyzed: 04/23/19 17:46

Monoterpenes	Results in %	Monoterpenes	Results in %
Camphene	0.08459	Camphor	< LOQ
3-Carene	0.05650	alpha-Cedrene	< LOQ
Cedrol	< LOQ	Endo-fenchyl alcohol	0.06278
Eucalyptol	< LOQ	Fenchone	< LOQ
Geraniol	< LOQ	Geranyl acetate	< LOQ
Hexahydrothymol	< LOQ	Isoborneol	< LOQ
Isopulegol	< LOQ	Limonene	2.854
Linalool	0.1357	p-Mentha-1,5-diene	< LOQ
beta-Myrcene	3.774	alpha-Pinene	0.5334
beta-Pinene	0.5383	Pulegone	< LOQ
Sabinene	< LOQ	Sabinene hydrate	< LOQ
gamma-Terpinene	< LOQ	alpha-Terpinene	0.02752
Terpinolene	0.4631	B Y-Terpineol	< LOQ
Nerol	< LOQ	A-Terpineol	0.04441
Borneol	< LOQ	Ocimene isomer II	0.2430
Ocimene isomer I	0.05295		
Sesquiterpenes	Results in %	Sesquiterpenes	Results in %
alpha-Bisabolol	0.1240	beta-Caryophyllene	0.6481
Caryophyllene Oxide	0.08081	Guaiol	0.05662
alpha-Humulene	0.2037	trans-Nerolidol	< LOQ
Valencene	< LOQ	cis-Nerolidol	< LOQ
Total Terpenes	9.983 %		

<LOQ - Results below the Limit of Quantitation - Compound not detected Terpene Analysis is not ORELAP Accredited.

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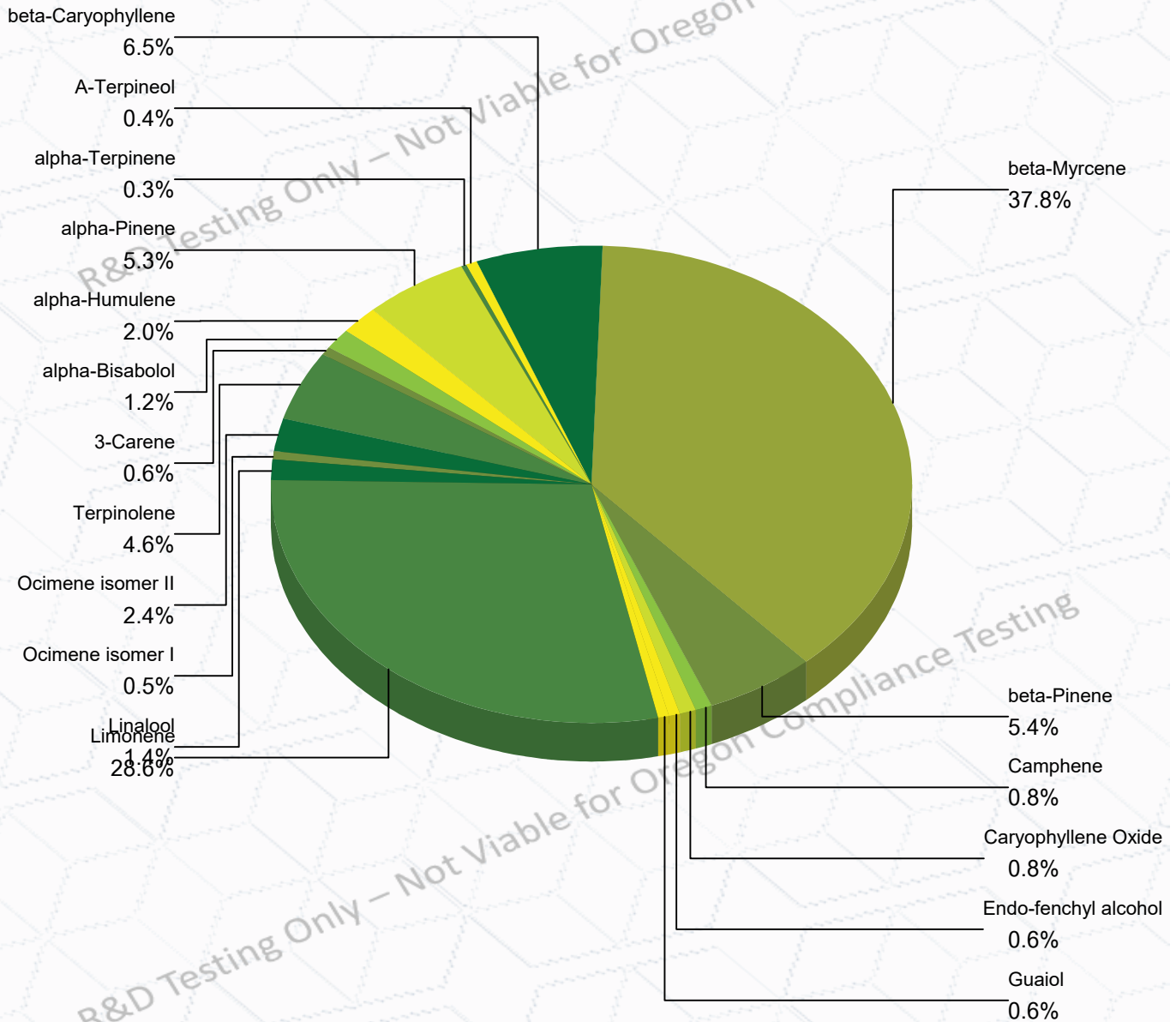
Hempsi LLC

Sample ID: G9D0349-02

Matrix: Extracts and Concentrates

M #: 1008238

Terpene Profile



Percentage of Total Terpenes Identified

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Chief Science Officer - 4/24/2019



Quality Control Potency

Batch: 1917013 - 215-Concentrates

Blank(1917013-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.4050	%		04/23/19 11:09	04/23/19 15:29
delta 9-THC	< LOQ	0.4050	%		04/23/19 11:09	04/23/19 15:29
delta 8-THC	< LOQ	0.4050	%		04/23/19 11:09	04/23/19 15:29
THCV	< LOQ	0.4050	%		04/23/19 11:09	04/23/19 15:29
CBD	< LOQ	0.4050	%		04/23/19 11:09	04/23/19 15:29
CBDA	< LOQ	0.4050	%		04/23/19 11:09	04/23/19 15:29
CBDV	< LOQ	0.0405	%		04/23/19 11:09	04/23/19 15:29
CBDVA	< LOQ	0.4050	%		04/23/19 11:09	04/23/19 15:29
CBN	< LOQ	0.4050	%		04/23/19 11:09	04/23/19 15:29
CBG	< LOQ	0.4050	%		04/23/19 11:09	04/23/19 15:29
CBGA	< LOQ	0.4050	%		04/23/19 11:09	04/23/19 15:29
CBC	< LOQ	0.4050	%		04/23/19 11:09	04/23/19 15:29
CBCA	< LOQ	0.4050	%		04/23/19 11:09	04/23/19 15:29
CBLA	< LOQ	0.4050	%		04/23/19 11:09	04/23/19 15:29

Reference(1917013-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	82.0	0.1165	%	80-120	04/23/19 11:09	04/23/19 15:51
delta 9-THC	109	0.1165	%	80-120	04/23/19 11:09	04/23/19 15:51
CBD	111	0.1165	%	80-120	04/23/19 11:09	04/23/19 15:51
CBDA	106	0.1165	%	80-120	04/23/19 11:09	04/23/19 15:51

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