



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

Green Leaf Lab proudly follows TNI 2009
Quality Standards

Top Flower Stripped - Elektra (ACDC)

Citizen Kind Hemp Farm DBA Organic Green Roots

Date Sampled: 10/25/18 00:00

Date Accepted: 10/25/18

Results Valid Until: 10/25/19

Sample ID: G8J0441-04

Results at a Glance

Total THC : 0.5571 %

Total CBD : 14.04 %

Percent Moisture : 6.93 % PASS

Total Terpenes : 1.970 % PASS

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

Eric Wendt
Chief Science Officer - 10/30/2018



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M #: M1004373

Sample ID: G8J0441-04

Matrix: Industrial Hemp

Potency Analysis

Date/Time Extracted: 10/29/18 13:04

Analysis Method/SOP: 215

Date/Time Analyzed: 10/29/18 20:47

Batch Identification: 1844009

Cannabinoids (% weight)	Moisture Adjusted	Cannabinoids Profile																
Total THC ((THCA*0.877)+Δ9)	0.5571	<table border="1"> <tr><td>THCA</td><td>0.6</td></tr> <tr><td>delta 9-THC</td><td>0.0</td></tr> <tr><td>CBGA</td><td>0.9</td></tr> <tr><td>CBDA</td><td>15.8</td></tr> <tr><td>CBD</td><td>0.1</td></tr> <tr><td>CBG</td><td>0.1</td></tr> <tr><td>CBC</td><td>0.1</td></tr> <tr><td>Total</td><td>17.6</td></tr> </table>	THCA	0.6	delta 9-THC	0.0	CBGA	0.9	CBDA	15.8	CBD	0.1	CBG	0.1	CBC	0.1	Total	17.6
THCA	0.6																	
delta 9-THC	0.0																	
CBGA	0.9																	
CBDA	15.8																	
CBD	0.1																	
CBG	0.1																	
CBC	0.1																	
Total	17.6																	
Total CBD ((CBDA*0.877)+CBD)	14.04																	
THCA	0.5735																	
delta 9-THC	0.0155																	
delta 8-THC	< LOQ																	
THCV	< LOQ																	
CBD	0.1383																	
CBDA	14.74																	
CBDV	< LOQ																	
CBDVA	< LOQ																	
CBN	< LOQ																	
CBG	0.0709																	
CBGA	0.7927																	
CBC	0.0744																	
CBCA	< LOQ																	
CBLA	< LOQ																	
6.93% Moisture																		

Moisture

Date/Time Extracted: 10/26/18 17:52

Analysis Method/SOP: 103

Date/Time Analyzed: 10/26/18 17:52

Moisture: 6.93 %

<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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Sample ID: G8J0441-04

Matrix: Industrial Hemp

Terpene Analysis

Date/Time Extracted: 10/29/18 13:04

Analysis Method/SOP: 204

Date/Time Analyzed: 10/29/18 21:32

Monoterpenes	Results in %	Monoterpenes	Results in %
Camphene	< LOQ	Camphor	< LOQ
3-Carene	< LOQ	alpha-Cedrene	< LOQ
Cedrol	< LOQ	Endo-fenchyl alcohol	0.01230
Eucalyptol	< LOQ	Fenchone	< LOQ
Geraniol	< LOQ	Geranyl acetate	< LOQ
Hexahydrothymol	< LOQ	Isoborneol	< LOQ
Isopulegol	< LOQ	Limonene	0.07482
Linalool	0.03287	p-Mentha-1,5-diene	< LOQ
beta-Myrcene	1.027	Ocimene	< LOQ
alpha-Pinene	0.1615	beta-Pinene	0.06484
Pulegone	< LOQ	Sabinene	< LOQ
Sabinene hydrate	< LOQ	gamma-Terpinene	< LOQ
alpha-Terpinene	< LOQ	Terpineol	0.01122
Terpinolene	< LOQ	B/Y-Terpineol	< LOQ
Nerol	< LOQ	A-Terpineol	0.01122
Borneol	< LOQ	Ocimene isomer II	0.04358
Ocimene isomer I	0.002155		
Sesquiterpenes	Results in %	Sesquiterpenes	Results in %
alpha-Bisabolol	0.1146	beta-Caryophyllene	0.2144
Caryophyllene Oxide	0.01878	Guaiol	0.1067
alpha-Humulene	0.06793	Nerolidol	0.01101
Valencene	< LOQ		
Total Terpenes	1.970 %		

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

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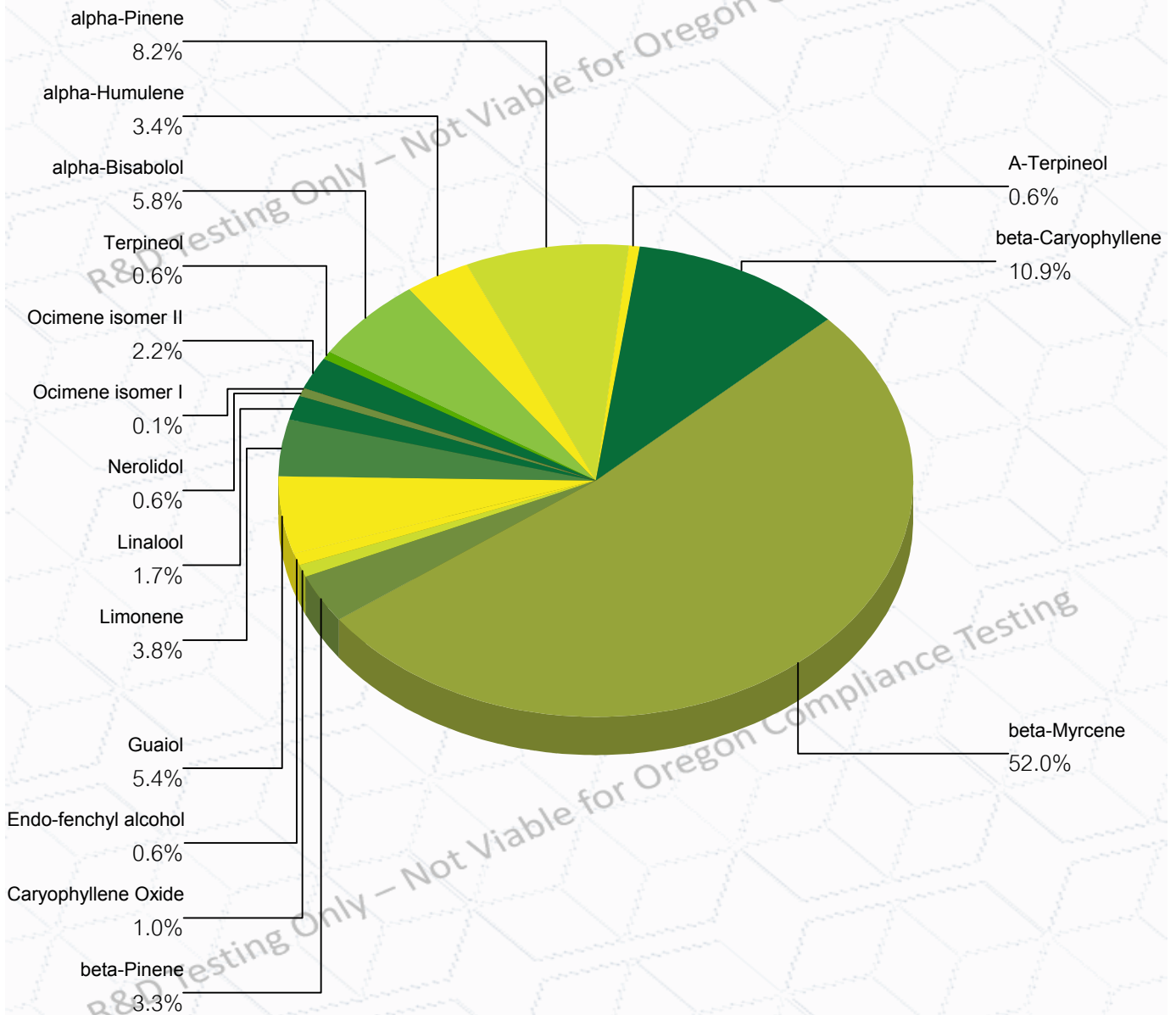
Results Valid Until: 10/25/19

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Matrix: Industrial Hemp

Terpene Profile



Percentage of Total Terpenes Identified

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Quality Control Potency

Batch: 1844009 - 215-Hemp

Blank(1844009-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.0030	%		10/29/18 13:04	10/29/18 19:29
delta 9-THC	< LOQ	0.0030	%		10/29/18 13:04	10/29/18 19:29
delta 8-THC	< LOQ	0.0030	%		10/29/18 13:04	10/29/18 19:29
THCV	< LOQ	0.0030	%		10/29/18 13:04	10/29/18 19:29
CBD	< LOQ	0.0030	%		10/29/18 13:04	10/29/18 19:29
CBDA	< LOQ	0.0030	%		10/29/18 13:04	10/29/18 19:29
CBDV	< LOQ	0.0030	%		10/29/18 13:04	10/29/18 19:29
CBDVA	< LOQ	0.0030	%		10/29/18 13:04	10/29/18 19:29
CBN	< LOQ	0.0030	%		10/29/18 13:04	10/29/18 19:29
CBG	< LOQ	0.0030	%		10/29/18 13:04	10/29/18 19:29
CBGA	< LOQ	0.0030	%		10/29/18 13:04	10/29/18 19:29
CBC	< LOQ	0.0030	%		10/29/18 13:04	10/29/18 19:29
CBCA	< LOQ	0.0030	%		10/29/18 13:04	10/29/18 19:29
CBLA	< LOQ	0.0030	%		10/29/18 13:04	10/29/18 19:29

LCS(1844009-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	107	0.0003	%	80-120	10/29/18 13:04	10/29/18 19:40
delta 9-THC	113	0.0003	%	80-120	10/29/18 13:04	10/29/18 19:40
CBD	116	0.0003	%	80-120	10/29/18 13:04	10/29/18 19:40
CBDA	114	0.0003	%	80-120	10/29/18 13:04	10/29/18 19:40

LCS(1844009-BS2)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	100	0.00055	%	80-120	10/29/18 13:04	10/29/18 19:51
delta 9-THC	106	0.00055	%	80-120	10/29/18 13:04	10/29/18 19:51
CBD	108	0.00055	%	80-120	10/29/18 13:04	10/29/18 19:51
CBDA	108	0.00055	%	80-120	10/29/18 13:04	10/29/18 19:51

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