



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 - Special Sauce

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: G8J0441-02

Results at a Glance

Total THC : 0.5595 %

Total CBD : 13.98 %

Percent Moisture : 7.21 % **PASS**

Total Terpenes : 1.222 % **PASS**

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

Eric Wendt
Chief Science Officer - 10/30/2018



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Date Sampled: 10/25/18 00:00

Date Accepted: 10/25/18

Results Valid Until: 10/25/19

M #: M1004371

Sample ID: G8J0441-02

Matrix: Industrial Hemp

Potency Analysis

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

Analysis Method/SOP: 215

Date/Time Analyzed: 10/29/18 20:25

Batch Identification: 1844009

Cannabinoids (% weight)	Moisture Adjusted	Cannabinoids Profile
Total THC ((THCA*0.877)+Δ ₉)	0.5595	
Total CBD ((CBDA*0.877)+CBD)	13.98	
THCA	0.5920	
delta 9-THC	< LOQ	
delta 8-THC	< LOQ	
THCV	< LOQ	
CBD	0.0686	
CBDA	14.71	
CBDV	< LOQ	
CBDVA	< LOQ	
CBN	< LOQ	
CBG	0.0564	
CBGA	0.4798	
CBC	0.1128	
CBCA	< LOQ	
CBLA	< LOQ	
7.21% Moisture		

Moisture

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

Analysis Method/SOP: 103

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

Moisture: 7.21 %

<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: G8J0441-02

Matrix: Industrial Hemp

Terpene Analysis

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

Analysis Method/SOP: 204

Date/Time Analyzed: 10/29/18 20:07

Monoterpenes	Results in %	Monoterpenes	Results in %
Camphene	< LOQ	Camphor	< LOQ
3-Carene	< LOQ	alpha-Cedrene	< LOQ
Cedrol	< LOQ	Endo-fenchyl alcohol	0.01042
Eucalyptol	< LOQ	Fenchone	< LOQ
Geraniol	< LOQ	Geranyl acetate	< LOQ
Hexahydrothymol	< LOQ	Isoborneol	< LOQ
Isopulegol	< LOQ	Limonene	0.04544
Linalool	0.03320	p-Mentha-1,5-diene	< LOQ
beta-Myrcene	0.5057	Ocimene	< LOQ
alpha-Pinene	0.07328	beta-Pinene	0.02951
Pulegone	< LOQ	Sabinene	< LOQ
Sabinene hydrate	< LOQ	gamma-Terpinene	< LOQ
alpha-Terpinene	< LOQ	Terpineol	0.01114
Terpinolene	< LOQ	B/Y-Terpineol	< LOQ
Nerol	< LOQ	A-Terpineol	0.01114
Borneol	< LOQ	Ocimene isomer II	0.02115
Ocimene isomer I	0.000		
Sesquiterpenes	Results in %	Sesquiterpenes	Results in %
alpha-Bisabolol	0.1199	beta-Caryophyllene	0.2036
Caryophyllene Oxide	0.02110	Guaiol	0.04441
alpha-Humulene	0.07949	Nerolidol	0.01680
Valencene	< LOQ		
Total Terpenes	1.222 %		

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

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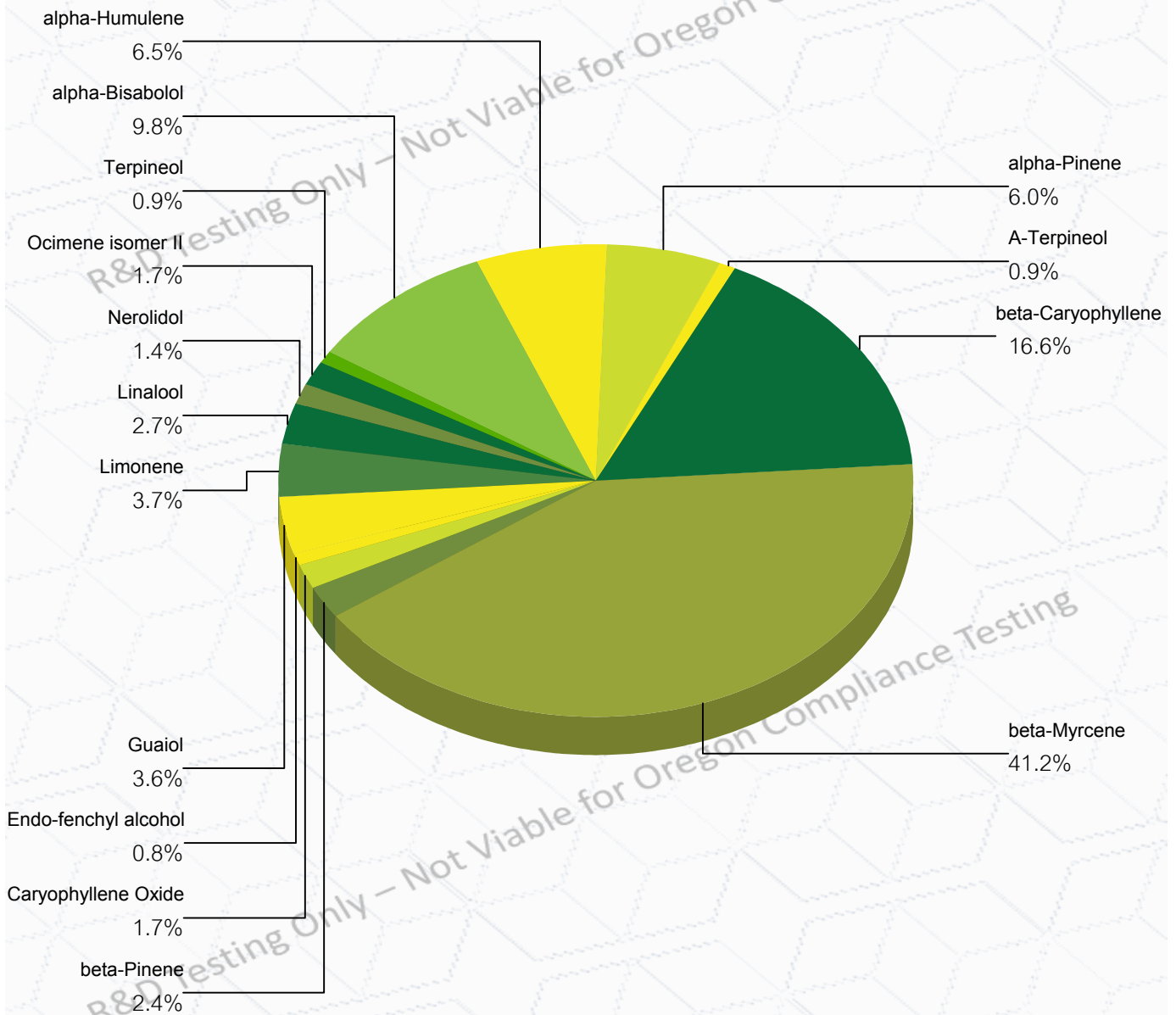
Results Valid Until: 10/25/19

M #: M1004371

Sample ID: G8J0441-02

Matrix: Industrial Hemp

Terpene Profile



Percentage of Total Terpenes Identified

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Chief Science Officer - 10/30/2018



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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