



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 - Lifter

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: G8J0441-05

Results at a Glance

Total THC : 0.5335 %

Total CBD : 13.93 %

Percent Moisture : 7.49 % **PASS**

Total Terpenes : 1.825 % **PASS**

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

Eric Wendt
Chief Science Officer - 10/30/2018



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 - Lifter

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

M #: M1004374

Sample ID: G8J0441-05

Matrix: Industrial Hemp

Potency Analysis

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

Analysis Method/SOP: 215

Date/Time Analyzed: 10/29/18 20:58

Batch Identification: 1844009

Cannabinoids (% weight)	Moisture Adjusted	Cannabinoids Profile	
Total THC ((THCA*0.877)+Δ ₉)	0.5335		
Total CBD ((CBDA*0.877)+CBD)	13.93		
THCA	0.5628		0.6
delta 9-THC	< LOQ		< LOQ
delta 8-THC	< LOQ		< LOQ
THCV	< LOQ		< LOQ
CBD	0.0959		0.1
CBDA	14.58		15.8
CBDV	< LOQ		< LOQ
CBDVA	< LOQ		< LOQ
CBN	< LOQ		< LOQ
CBG	0.0493		0.1
CBGA	0.5359		0.6
CBC	0.0678		0.1
CBCA	< LOQ		< LOQ
CBLA	< LOQ		< LOQ
7.49% Moisture			

Moisture

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

Analysis Method/SOP: 103

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

Moisture: 7.49 %

<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.

Eric Wendt
Chief Science Officer - 10/30/2018



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 - Lifter

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

M #: M1004374

Sample ID: G8J0441-05

Matrix: Industrial Hemp

Terpene Analysis

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

Analysis Method/SOP: 204

Date/Time Analyzed: 10/29/18 22:14

Monoterpenes	Results in %	Monoterpenes	Results in %
Camphene	< LOQ	Camphor	< LOQ
3-Carene	< LOQ	alpha-Cedrene	< LOQ
Cedrol	< LOQ	Endo-fenchyl alcohol	0.01187
Eucalyptol	< LOQ	Fenchone	< LOQ
Geraniol	< LOQ	Geranyl acetate	< LOQ
Hexahydrothymol	< LOQ	Isoborneol	< LOQ
Isopulegol	< LOQ	Limonene	0.06659
Linalool	0.03360	p-Mentha-1,5-diene	< LOQ
beta-Myrcene	0.8722	Ocimene	< LOQ
alpha-Pinene	0.1093	beta-Pinene	0.04683
Pulegone	< LOQ	Sabinene	< LOQ
Sabinene hydrate	< LOQ	gamma-Terpinene	< LOQ
alpha-Terpinene	< LOQ	Terpineol	0.01245
Terpinolene	< LOQ	B/Y-Terpineol	< LOQ
Nerol	< LOQ	A-Terpineol	0.01245
Borneol	< LOQ	Ocimene isomer II	0.04334
Ocimene isomer I	0.001999		
Sesquiterpenes	Results in %	Sesquiterpenes	Results in %
alpha-Bisabolol	0.1520	beta-Caryophyllene	0.2379
Caryophyllene Oxide	0.01879	Guaiol	0.1175
alpha-Humulene	0.07784	Nerolidol	0.01499
Valencene	0.007855		
Total Terpenes	1.825 %		

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

R&D Testing Only - Not Valid for Oregon Compliance

Eric Wendt
 Chief Science Officer - 10/30/2018



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 - Lifter

Citizen Kind Hemp Farm DBA Organic Green Roots

Date Sampled: 10/25/18 00:00

Date Accepted: 10/25/18

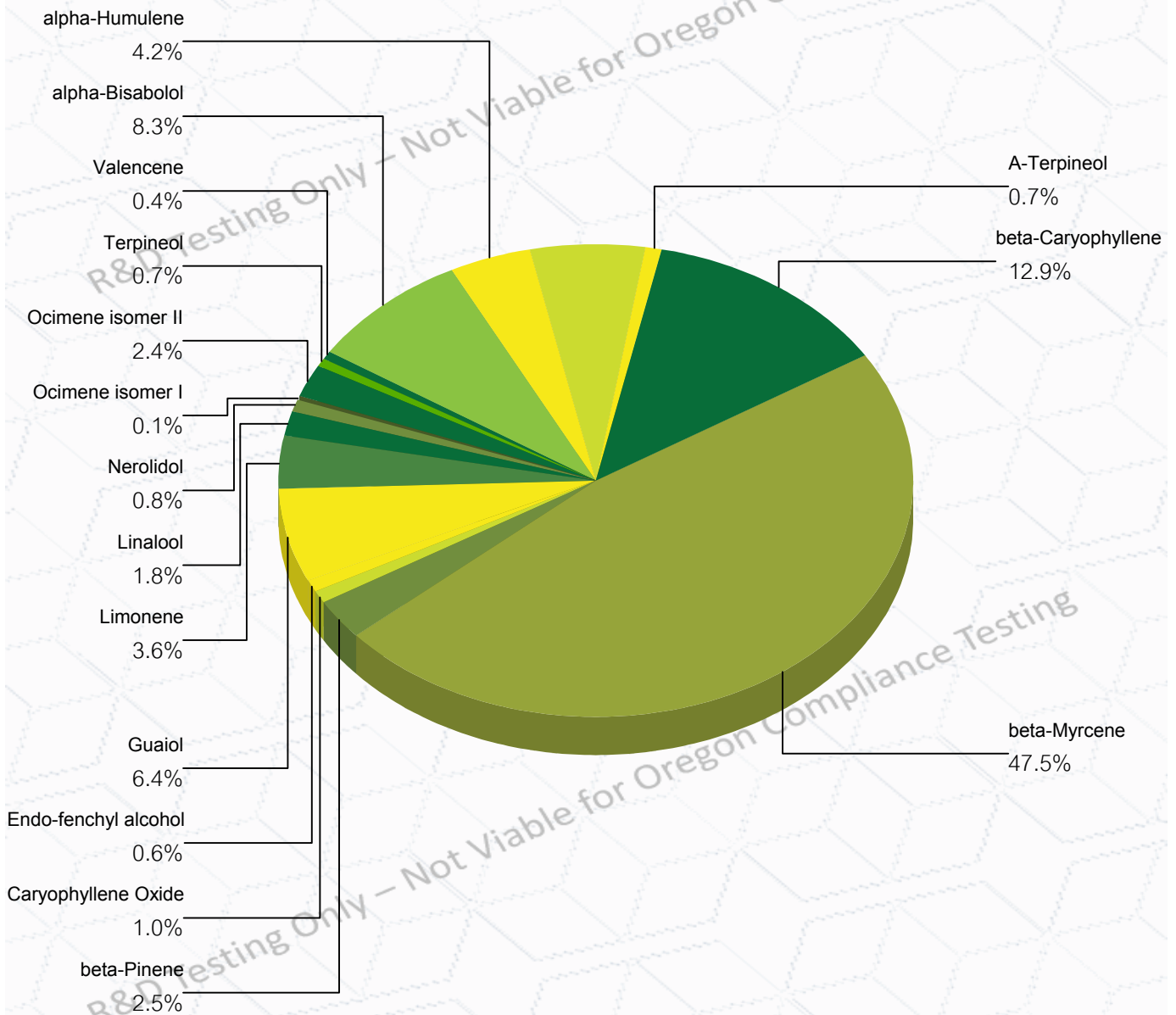
Results Valid Until: 10/25/19

M #: M1004374

Sample ID: G8J0441-05

Matrix: Industrial Hemp

Terpene Profile



Percentage of Total Terpenes Identified

Eric Wendt
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

Eric Wendt
Chief Science Officer - 10/30/2018