



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

Green Leaf Lab proudly follows TNI 2009
Quality Standards

East Coast Sour Diesel

OM Extracts

Sample ID: G7L0117

Date Sampled: 12/08/17 00:00

Date Accepted: 12/08/17

Results Valid Until: 12/08/18

Results at a Glance

Total THC : 57.67 %

Total CBD : 4.53 %

Pesticides : PASS

Residual Solvent Analysis : PASS

Eric Wendt
Chief Science Officer - 12/14/2017



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OM Extracts

Sample ID: G7L0117

Matrix: Extracts and Concentrates

Test RFID: 1A4010300014ADD000000002

Source RFID: 1A4010300014ADD000000001

Date Sampled: 12/08/17 00:00

Date Accepted: 12/08/17

Results Valid Until: 12/08/18

Potency Analysis

Date/Time Extracted: 12/11/17 14:54

Analysis Method/SOP: 215

Date/Time Analyzed: 12/12/17 02:49

Batch Identification:

Cannabinoids (% weight)	Decarboxylated* %	Cannabinoids Profile
Total THC ((THCA*0.877)+Δ9)	57.67	
Total CBD ((CBDA*0.877)+CBD)	4.53	
THCA	26.34	
delta 9-THC	34.58	
delta 8-THC	<LOQ	
THCV	<LOQ	
CBGA	1.42	
CBDA	3.53	
CBD	1.43	
CBDV	<LOQ	
CBN	<LOQ	
CBG	1.22	
CBC	<LOQ	
Total Cannabinoids	68.87	

<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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Source RFID: 1A4010300014ADD000000001

Pesticide Analysis in PPM

Date/Time Extracted:

Date/Time GC Analyzed: 12/14/17 01:08

Analysis Method/SOP: 203

Date/Time LC Analyzed: 12/14/17 05:12

Batch Identification:

Analyte	Result	Action Level	LOQ	Type
Abamectin	<LOQ	0.5	0.1	Insecticide and anthelmintic
Acephate	<LOQ	0.4	0.1	Organophosphate insecticide
Acequinocyl	<LOQ	2	0.1	Acaricide
Acetamiprid	<LOQ	0.2	0.1	Neonicotinoid insecticide
Aldicarb	<LOQ	0.4	0.1	Carbamate insecticide
Azoxystrobin	<LOQ	0.2	0.1	QoI fungicide
Bifenazate	<LOQ	0.2	0.1	Insecticide and miticide
Bifenthrin	<LOQ	0.2	0.1	Pyrethroid insecticide and acaricide
Boscalid	<LOQ	0.4	0.1	Carboxamide fungicide
Carbaryl	<LOQ	0.2	0.1	Carbamate insecticide
Carbofuran	<LOQ	0.2	0.1	Carbamate insecticide
Chlorantraniliprole	<LOQ	0.2	0.1	Anthranilic diamide insecticide
Chlorfenapyr	<LOQ	1	0.2	Pyrazole insecticide, acaricide and miticide
Chlorpyrifos	<LOQ	0.2	0.2	Organophosphate insecticide
Clofentezine	<LOQ	0.2	0.1	Ovicidal tetrazine acaricide
Cyfluthrin	<LOQ	1	0.2	Pyrethroid insecticide
Cypermethrin	<LOQ	1	0.2	Pyrethroid insecticide
Daminozide	<LOQ	1	0.1	Plant growth regulator
DDVP (Dichlorvos)	<LOQ	1	0.2	Organophosphate insecticide
Diazinon	<LOQ	0.2	0.1	Organophosphate insecticide
Dimethoate	<LOQ	0.2	0.1	Organophosphate insecticide
Ethoprophos	<LOQ	0.2	0.1	Organophosphate insecticide, nematocide
Etofenprox	<LOQ	0.4	0.1	Pyrethroid insecticide
Etoxazole	<LOQ	0.2	0.1	Diphenyl oxazoline acaricide
Fenoxycarb	<LOQ	0.2	0.1	Carbamate insecticide
Fenpyroximate	<LOQ	0.4	0.1	Pyrazolium insecticide and acaricide
Fipronil	<LOQ	0.4	0.2	Pyrazole insecticide
Flonicamid	<LOQ	1	0.1	Pyridinecarboxamide insecticide
Fludioxonil	<LOQ	0.4	0.2	Phenylpyrrole fungicide
Hexythiazox	<LOQ	1	0.1	Carboxamide acaricide
Imazalil	<LOQ	0.2	0.1	Azole fungicide
Imidacloprid	<LOQ	0.4	0.1	Neonicotinoid insecticide
Kresoxim-methyl	<LOQ	0.4	0.2	Strobilurin fungicide and bactericide
Malathion	<LOQ	0.2	0.1	Organophosphate insecticide and acaricide
Metalaxyl	<LOQ	0.2	0.1	Phenylamide fungicide

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Source RFID: 1A4010300014ADD000000001

Pesticide Analysis in PPM

Date/Time Extracted:

Date/Time GC Analyzed: 12/14/17 01:08

Analysis Method/SOP: 203

Date/Time LC Analyzed: 12/14/17 05:12

Batch Identification:

Analyte	Result	Action Level	LOQ	Type
Methiocarb	<LOQ	0.2	0.1	Carbamate insecticide
Methomyl	<LOQ	0.4	0.1	Carbamate insecticide
Methyl parathion	<LOQ	0.2	0.2	Organophosphate insecticide
MGK-264	<LOQ	0.2	0.2	Synergist
Myclobutanil	<LOQ	0.2	0.1	Triazole fungicide
Naled	<LOQ	0.5	0.2	Organophosphate insecticide and acaricide
Oxamyl	<LOQ	1	0.1	Organophosphate insecticide, nematocide
Paclobutrazol	<LOQ	0.4	0.1	Triazole fungicide and plant growth regulator
Permethrins	<LOQ	0.2	0.1	Pyrethroid insecticide
Phosmet	<LOQ	0.2	0.1	Organophosphate insecticide and acaricide
Piperonyl butoxide	<LOQ	2	0.1	Synergist
Prallethrin	<LOQ	0.2	0.1	Synthetic pyrethroid insecticide
Propiconazole	<LOQ	0.4	0.2	Triazole fungicide
Propoxur	<LOQ	0.2	0.1	Carbamate insecticide and acaricide
Pyrethrins	<LOQ	1	0.1	Pyrethroid insecticide
Pyridaben	<LOQ	0.2	0.1	Pyridazinone insecticide and acaricide
Spinosad	<LOQ	0.2	0.1	Spinosyn insecticide
Spiromesifen	<LOQ	0.2	0.1	Keto-enol insecticide
Spirotetramat	<LOQ	0.2	0.1	Keto-enol insecticide
Spiroxamine	<LOQ	0.4	0.1	Morpholine fungicide
Tebuconazole	<LOQ	0.4	0.1	Triazole fungicide and plant growth regulator
Thiacloprid	<LOQ	0.2	0.1	Neonicotinoid insecticide and molluscicide
Thiamethoxam	<LOQ	0.2	0.1	Neonicotinoid insecticide
Trifloxystrobin	<LOQ	0.2	0.1	Strobilurin fungicide

<LOQ - Results below the Limit of Quantitation - Compound not detected

Results above the Action Level fail state testing requirements and will be highlighted Red.

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Residual Solvents

Solvent	Results in ppm	LOQ	Action Level	
Acetone	<LOQ	1000.0	5000	
Acetonitrile	<LOQ	50.0	410	
Benzene	<LOQ	0.5	2	
Butanes	<LOQ	1000.0	5000 ³	
2-Butanol	<LOQ	1000.0	5000	
Cumene	<LOQ	50.0	70	
Cyclohexane	<LOQ	50.0	3880	
Dichloromethane	<LOQ	50.0	600	
1,4-Dioxane	<LOQ	50.0	380	
2-Ethoxyethanol	<LOQ	50.0	160	
Ethyl acetate	<LOQ	1000.0	5000	
Ethylene glycol	<LOQ	50.0	620	
Ethylene oxide	<LOQ	50.0	50	
Ethyl ether	<LOQ	1000.0	5000	
Heptane	<LOQ	1000.0	5000	
Hexanes	<LOQ	50.0	290 ⁴	
Isopropyl acetate	<LOQ	1000.0	5000	
Methanol	<LOQ	100.0	3000	
Pentanes	<LOQ	1000.0	5000 ⁵	
Propane	<LOQ	1000.0	5000	
2-Propanol (IPA)	<LOQ	1000.0	5000	
Tetrahydrofuran	<LOQ	50.0	720	
Toluene	<LOQ	50.0	890	

Date/Time Extracted:
 Date/Time Analyzed:
 Analysis Method/SOP: 205
 Batch Identification:

3 - Total butanes should be calculated as sum of n-butanes (CAS# 106-97-8) and iso-butane (CAS# 75-28-5)

4 - Total hexanes should be calculated as sum of n-hexane (CAS# 110-54-3), 2-methylpentane (CAS# 107-83-5), 3-methylpentane (CAS# 96-14-0), 2,2-dimethylbutane (CAS# 75-83-2), 2,3-dimethylbutane (CAS# 79-29-8)

5 - Total pentanes should be calculated as sum of n-pentane (CAS# 109-66-0), iso-pentane (CAS# 78-78-4), and neo-pentane (CAS# 463-82-1)

6 - Total xylenes are 1,2-dimethylbenzene (CAS# 95-47-6), 1,3-dimethylbenzene (CAS# 106-42-3), and 1,4-dimethylbenzene (CAS# 106-42-3)

<LOQ - Results below the Limit of Quantitation - Compound not detected
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Quality Control Potency

Batch: 1750011 - 215-Concentrates

Blank(1750011-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	1.200	%		12/11/17 14:54	12/11/17 22:57
delta 9-THC	< LOQ	1.200	%		12/11/17 14:54	12/11/17 22:57
delta 8-THC	< LOQ	1.200	%		12/11/17 14:54	12/11/17 22:57
CBGA	< LOQ	1.200	%		12/11/17 14:54	12/11/17 22:57
THCV	< LOQ	1.200	%		12/11/17 14:54	12/11/17 22:57
CBDA	< LOQ	1.200	%		12/11/17 14:54	12/11/17 22:57
CBD	< LOQ	1.200	%		12/11/17 14:54	12/11/17 22:57
CBDV	< LOQ	1.200	%		12/11/17 14:54	12/11/17 22:57
CBN	< LOQ	1.200	%		12/11/17 14:54	12/11/17 22:57
CBG	< LOQ	1.200	%		12/11/17 14:54	12/11/17 22:57
CBC	< LOQ	1.200	%		12/11/17 14:54	12/11/17 22:57

LCS(1750011-BS1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	99.4	0.015	%	80-120	12/11/17 14:54	12/11/17 23:09
delta 9-THC	98.9	0.015	%	80-120	12/11/17 14:54	12/11/17 23:09
CBDA	100	0.015	%	80-120	12/11/17 14:54	12/11/17 23:09
CBD	99.7	0.015	%	80-120	12/11/17 14:54	12/11/17 23:09

LCS(1750011-BS2)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	99.0	0.015	%	80-120	12/11/17 14:54	12/11/17 23:21
delta 9-THC	100	0.015	%	80-120	12/11/17 14:54	12/11/17 23:21
CBDA	99.2	0.015	%	80-120	12/11/17 14:54	12/11/17 23:21
CBD	102	0.015	%	80-120	12/11/17 14:54	12/11/17 23:21

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