



Delta 8 Distillate

Sample ID: IHL-D0101

Matrix: Hemp Extracts &

Date Sampled: 01/25/21

Date Accepted: 01/25/21

IHL-D0101

Results at a Glance

Total THC : <LOQ (0.2703%) %

Total CBD : <LOQ (0.1725%) %

delta 8-THC : 96.02 % PASS



Russell Kuhfeld

Russell Kuhfeld
Quality Officer - 1/27/2021

All QC samples met acceptance criteria of the method; data available upon request. These results relate only to the sample included on this report. The report may not be reproduced except in full, without the written permission of Green Leaf Lab.

This is for informational testing and is not compliance testing. Lab results apply to the sample as received.



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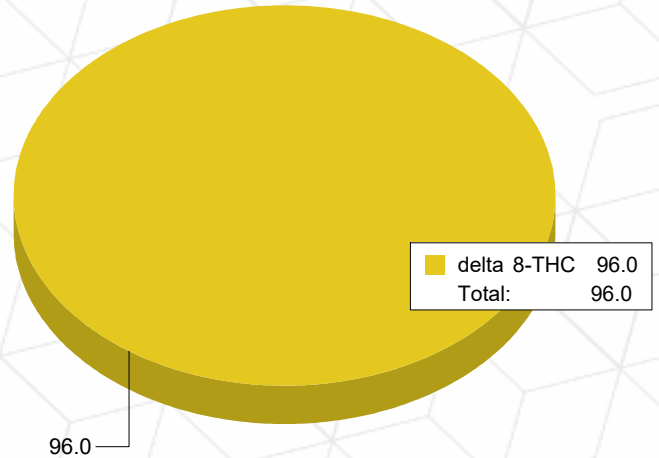
Potency Analysis

Date/Time Extracted: 01/27/21 09:31

Analysis Method/SOP: 215

Batch Identification: IHL-D0101

Cannabinoids	LOQ (%)	% by Wt.	mg/g	Cannabinoids Profile
Total THC	0.2703	< LOQ	< LOQ	
Total CBD	0.1725	< LOQ	< LOQ	
THCA	0.2428	< LOQ	< LOQ	
delta 9-THC	0.2703	< LOQ	< LOQ	
delta 8-THC	0.3736	96.02	960.2	
Exo-THC	0.0868	< LOQ	< LOQ	
THCV	0.4207	< LOQ	< LOQ	
THCVA	0.1567	< LOQ	< LOQ	
CBD	0.1295	< LOQ	< LOQ	
CBDA	0.1725	< LOQ	< LOQ	
CBDV	0.4160	< LOQ	< LOQ	
CBDVA	0.1364	< LOQ	< LOQ	
CBN	0.2489	< LOQ	< LOQ	
CBG	0.0655	< LOQ	< LOQ	
CBGA	0.0655	< LOQ	< LOQ	
CBC	0.0746	< LOQ	< LOQ	
Total Cannabinoids		96.02	960.2	



Total THC = delta 9-THC + (THCA * 0.877)

Total CBD = CBD + (CBDA * 0.877)

Total CBG = CBG + (CBGA * 0.878)

LOQ=Limit of Quantification, the lowest measurable concentration of an analyte.



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Quality Control Potency

Batch: IHL-D0101- 215-Concentrates

Blank(IHL-D0101--BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.0607	%		01/27/21 09:31	01/27/21 15:26
delta 9-THC	< LOQ	0.1577	%		01/27/21 09:31	01/27/21 15:26
delta 8-THC	< LOQ	0.0934	%		01/27/21 09:31	01/27/21 15:26
Exo-THC	< LOQ	0.0217	%		01/27/21 09:31	01/27/21 15:26
THCV	< LOQ	0.1052	%		01/27/21 09:31	01/27/21 15:26
THCVA	< LOQ	0.0392	%		01/27/21 09:31	01/27/21 15:26
CBD	< LOQ	0.0324	%		01/27/21 09:31	01/27/21 15:26
CBDA	< LOQ	0.0431	%		01/27/21 09:31	01/27/21 15:26
CBDV	< LOQ	0.1040	%		01/27/21 09:31	01/27/21 15:26
CBDVA	< LOQ	0.0341	%		01/27/21 09:31	01/27/21 15:26
CBN	< LOQ	0.0622	%		01/27/21 09:31	01/27/21 15:26
CBG	< LOQ	0.0164	%		01/27/21 09:31	01/27/21 15:26
CBGA	< LOQ	0.0164	%		01/27/21 09:31	01/27/21 15:26
CBC	< LOQ	0.0186	%		01/27/21 09:31	01/27/21 15:26

Reference(2105029-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	108	0.0280	%	80-120	01/27/21 09:31	01/27/21 16:15
delta 9-THC	103	0.0728	%	80-120	01/27/21 09:31	01/27/21 16:15
CBD	107	0.0149	%	80-120	01/27/21 09:31	01/27/21 16:15
CBDA	106	0.0199	%	80-120	01/27/21 09:31	01/27/21 16:15



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FOR INFORMATIONAL USE ONLY - NOT FOR REGULATORY PURPOSES

Delta 8 Distillate

Date Sampled: NA

Sample ID: IHL-D0101

Date Accepted: 01/25/21

Matrix: Distillate

Sampling Method/SOP: Client

METRC Batch #:

Residual Solvents

Analyte	LOQ	Action Level	Result	Units
Butanes	2500	5000 ³	< LOQ	ppm
n-Butane	1250	5000	< LOQ	ppm
iso-Butane	1250	5000	< LOQ	ppm
Hexanes	145	290 ⁴	< LOQ	ppm
n-Hexane	145	290	< LOQ	ppm
2-Methylpentane	145	290	< LOQ	ppm
3-Methylpentane	145	290	< LOQ	ppm
2,2-Dimethylbutane	145	290	< LOQ	ppm
2,3-Dimethylbutane	145	290	< LOQ	ppm
Pentanes	2500	5000 ⁵	< LOQ	ppm
n-Pentane	833.33	5000	< LOQ	ppm
iso-Pentane	833.33	5000	< LOQ	ppm
Neopentane	833.33	5000	< LOQ	ppm
Xylenes	1085	2170	< LOQ	ppm
1,2-Dimethylbenzene	271.25	2170	< LOQ	ppm
1,3-Dimethylbenzene	271.25	2170	< LOQ	ppm
1,4-Dimethylbenzene	271.25	2170	< LOQ	ppm
Xylenes MP	1085	2170	< LOQ	ppm
Ethyl benzene	271.25	NA	< LOQ	ppm
2-Propanol (IPA)	2500	5000	< LOQ	ppm
Acetone	2500	5000	< LOQ	ppm
Acetonitrile	205	410	< LOQ	ppm
Benzene	1	2	< LOQ	ppm
Methanol	1500	3000	< LOQ	ppm
Propane	2500	5000	< LOQ	ppm
Toluene	445	890	< LOQ	ppm
Dichloromethane	300	600	< LOQ	ppm
1,4-Dioxane	190	380	< LOQ	ppm
2-Butanol	2500	5000	< LOQ	ppm
2-Ethoxyethanol	80	160	< LOQ	ppm
Cumene	35	70	< LOQ	ppm
Cyclohexane	1940	3880	< LOQ	ppm
Ethyl acetate	2500	5000	< LOQ	ppm
Ethyl ether	2500	5000	< LOQ	ppm
Ethylene glycol	310	620	< LOQ	ppm
Ethylene oxide	25	50	< LOQ	ppm
Heptane	2500	5000	< LOQ	ppm
Isopropyl acetate	2500	5000	< LOQ	ppm
Tetrahydrofuran	360	720	< LOQ	ppm
Ethanol	500	NA ⁷	< LOQ	ppm

Date/Time Extracted: 01/26/21 12:38

Date/Time Analyzed: 01/26/21 21:23

Analysis Method/SOP: SOP.T.40.031

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

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

7 - Ethanol is not regulated under OAR-333-007-0410.

TIC - Tentatively Identified Compound not regulated under OAR-333-007-0410

Results above the action level fail Oregon state testing requirements and will be highlighted **RED**. LOQ=Limit of Quantitation; PPM=Parts per million; ND=Not detected; NT=Not tested; AC=Above calibration range. PASS/FAIL status based on OAR 333-007. Analysis performed in conjunction



Stephanie Moon
 Laboratory Director - 1/27/2021

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Quality Control

Batch: IHL-D0101 - SOP.T.30.050 Prep for Cannabinoids

Blank(M21A078-BLK1)			Extracted: 01/25/21 15:17		Analyzed: 01/25/21 19:52		
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
THCA	< LOQ	0.100 (%)	< LOQ	delta 9-THC	< LOQ	0.100 (%)	< LOQ
delta 8-THC	< LOQ	0.100 (%)	< LOQ	THCV-A	< LOQ	0.100 (%)	< LOQ
THCV	< LOQ	0.100 (%)	< LOQ	CBDA	< LOQ	0.100 (%)	< LOQ
CBD	< LOQ	0.100 (%)	< LOQ	CBDV-A	< LOQ	0.100 (%)	< LOQ
CBDV	< LOQ	0.100 (%)	< LOQ	CBG	< LOQ	0.100 (%)	< LOQ
CBGA	< LOQ	0.100 (%)	< LOQ	CBN	< LOQ	0.100 (%)	< LOQ
CBCA	< LOQ	0.100 (%)	< LOQ	CBC	< LOQ	0.100 (%)	< LOQ
Sum of tested Cannabinoid:	< LOQ	0.100 (%)	< LOQ				

LCS(M21A078-BS1)			Extracted: 01/25/21 15:17		Analyzed: 01/25/21 20:09		
Analyte	% Recovery	LOQ	Recovery Limits	Analyte	% Recovery	LOQ	Recovery Limits
THCA	103	(%)	70-130	delta 9-THC	99.4	(%)	70-130
THCV	90.2	(%)	70-130	CBDA	103	(%)	70-130
CBD	98.9	(%)	70-130	CBG	107	(%)	70-130
CBGA	105	(%)	70-130	CBN	111	(%)	70-130
CBCA	101	(%)	70-130	CBC	107	(%)	70-130

Batch: IHL-D0101 - SOP.T.40.031 Solvents

Blank(M21A082-BLK1)			Extracted: 01/26/21 12:38		Analyzed: 01/26/21 18:07		
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
Butanes	< LOQ	2500 (ppm)	< LOQ	n-Butane	< LOQ	1250 (ppm)	< LOQ
iso-Butane	< LOQ	1250 (ppm)	< LOQ	Hexanes	< LOQ	145 (ppm)	< LOQ
n-Hexane	< LOQ	145 (ppm)	< LOQ	2-Methylpentane	< LOQ	145 (ppm)	< LOQ
3-Methylpentane	< LOQ	145 (ppm)	< LOQ	2,2-Dimethylbutane	< LOQ	145 (ppm)	< LOQ
2,3-Dimethylbutane	< LOQ	145 (ppm)	< LOQ	Pentanes	< LOQ	2500 (ppm)	< LOQ
n-Pentane	< LOQ	833.33 (ppm)	< LOQ	iso-Pentane	< LOQ	833.33 (ppm)	< LOQ
Neopentane	< LOQ	833.33 (ppm)	< LOQ	Xylenes	< LOQ	1085 (ppm)	< LOQ
1,2-Dimethylbenzene	< LOQ	271.25 (ppm)	< LOQ	1,3-Dimethylbenzene	< LOQ	271.25 (ppm)	< LOQ
1,4-Dimethylbenzene	< LOQ	271.25 (ppm)	< LOQ	Xylenes MP	< LOQ	1085 (ppm)	< LOQ
Ethyl benzene	< LOQ	271.25 (ppm)	< LOQ	2-Propanol (IPA)	< LOQ	2500 (ppm)	< LOQ
Acetone	< LOQ	2500 (ppm)	< LOQ	Acetonitrile	< LOQ	205 (ppm)	< LOQ
Benzene	< LOQ	1 (ppm)	< LOQ	Methanol	< LOQ	1500 (ppm)	< LOQ
Propane	< LOQ	2500 (ppm)	< LOQ	Toluene	< LOQ	445 (ppm)	< LOQ
Dichloromethane	< LOQ	300 (ppm)	< LOQ	1,4-Dioxane	< LOQ	190 (ppm)	< LOQ
2-Butanol	< LOQ	2500 (ppm)	< LOQ	2-Ethoxyethanol	< LOQ	80 (ppm)	< LOQ
Cumene	< LOQ	35 (ppm)	< LOQ	Cyclohexane	< LOQ	1940 (ppm)	< LOQ
Ethyl acetate	< LOQ	2500 (ppm)	< LOQ	Ethyl ether	< LOQ	2500 (ppm)	< LOQ



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Quality Control

Batch: IHL-D0101 - SOP.T.40.031 Solvents (Continued)

Blank(M21A082-BLK1)			Extracted: 01/26/21 12:38		Analyzed: 01/26/21 18:07		
Analyte	Result	LOQ	Recovery Limits	Analyte	Result	LOQ	Recovery Limits
Ethylene glycol	< LOQ	310 (ppm)	< LOQ	Ethylene oxide	< LOQ	25 (ppm)	< LOQ
Heptane	< LOQ	2500 (ppm)	< LOQ	Isopropyl acetate	< LOQ	2500 (ppm)	< LOQ
Tetrahydrofuran	< LOQ	360 (ppm)	< LOQ	Ethanol	< LOQ	500 (ppm)	< LOQ



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