

PharmLabs San Diego Certificate of Analysis

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 ISO/IEC 17025:2017 Certification L17-427-1 | Accreditation #85368



Sample **THC-O R&D**

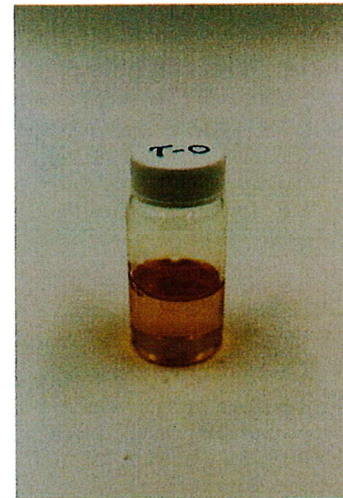
Sample ID _____ Matrix **Distillate - NI (Other Cannabis Good)**
 Tested for _____
 Sampled - Received **Jul 15, 2021** Reported **Jul 16, 2021**
 Analyses executed **CAN+, RES, PES**

CAN+ - Cannabinoid Profile Analysis

Analyzed Jul 16, 2021 | Instrument HPLC-VWD | Method SOP-001

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g
Cannabidivarin (CBDV)	0.002	0.8	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.8	ND	ND
Cannabigerol Acid (CBGA)	0.001	0.8	ND	ND
Cannabigerol (CBG)	0.001	0.8	ND	ND
Cannabidiol (CBD)	0.001	0.8	0.23	2.31
Tetrahydrocannabivarin (THCV)	0.001	0.012	ND	ND
Cannabinol (CBN)	0.001	0.8	ND	ND
Tetrahydrocannabinol (Δ9-THC)	0.003	0.8	ND	ND
Δ8-tetrahydrocannabinol (Δ8-THC)	0.004	0.8	9.72	97.20
Cannabicyclol (CBL)	0.002	0.006	ND	ND
Cannabichromene (CBC)	0.002	0.005	ND	ND
Tetrahydrocannabinolic Acid (THCA)	0.001	0.8	ND	ND
Total THC (THCa * 0.877 + THC)			ND	ND
Total CBD (CBDA * 0.877 + CBD)			0.23	2.31
Total CBG (CBGA * 0.877 + CBG)			ND	ND
TOTAL CANNABINOIDS			9.95	99.50

Sample photography



ND Not Detected
 N/A Not Applicable
 NT Not Reported
 LOD Limit of Detection
 LOQ Limit of Quantification
 <LOQ Detected
 >ULOL Above upper limit of linearity
 CFU/g Colony Forming Units per 1 gram
 TNTC Too Numerous to Count



Authorized Signature

Dr. Lia Prevedello, Laboratory Director
 Fri, 16 Jul 2021 14:44:59 -0700



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PES - Pesticides Screening Analysis

Analyzed Jul 16, 2021 | Instrument LC/MSMS GC/MSMS | Method SOP-003

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Aldicarb	0.0078	0.02	ND	0.0078	Carbofuran	0.01	0.02	ND	0.01
Dimethoate	0.01	0.02	ND	0.01	Etofenprox	0.02	0.1	ND	0.02
Fenoxycarb	0.01	0.02	ND	0.01	Thiachloprid	0.01	0.02	ND	0.01
Daminozide	0.01	0.03	ND	0.01	Dichlorvos	0.02	0.07	ND	0.02
Imazalil	0.02	0.07	ND	0.02	Methiocarb	0.01	0.02	ND	0.01
Spiroxamine	0.01	0.02	ND	0.01	Coumaphos	0.01	0.02	ND	0.01
Fipronil	0.01	0.1	ND	0.01	Paclobutrazol	0.01	0.03	ND	0.01
Chlorpyrifos	0.01	0.04	ND	0.01	Ethoprophos (Propfos)	0.01	0.02	ND	0.01
Baygon (Propoxur)	0.01	0.02	ND	0.01	Chlordane	0.04	0.1	ND	0.04
Chlorfenapyr	0.03	0.1	ND	0.03	Methyl Parathion	0.02	0.1	ND	0.02
Mevinphos	0.03	0.08	ND	0.03	Abamectin	0.03	0.08	ND	0.3
Acephate	0.02	0.05	ND	5	Acetamidrid	0.01	0.05	ND	5
Azoxystrobin	0.01	0.02	ND	40	Bifenazate	0.01	0.05	ND	5
Bifenthrin	0.02	0.35	ND	0.5	Boscalid	0.01	0.03	ND	10
Carbaryl	0.01	0.02	ND	0.5	Chlorantranilprole	0.01	0.04	ND	40
Clofentezine	0.01	0.03	ND	0.5	Diazinon	0.01	0.02	ND	0.2
Dimethomorph	0.02	0.06	ND	20	Etoxazole	0.01	0.05	ND	1.5
Fenpyroximate	0.02	0.1	ND	2	Flonicamid	0.01	0.02	ND	2
Fludioxonil	0.01	0.05	ND	30	Hexythiazox	0.01	0.03	ND	2
Imidacloprid	0.01	0.05	ND	3	Kresoxim-methyl	0.01	0.03	ND	1
Malathion	0.01	0.05	ND	5	Metalaxyl	0.01	0.02	ND	15
Methomyl	0.02	0.05	ND	0.1	Myclobutanil	0.02	0.07	ND	9
Naled	0.01	0.02	ND	0.5	Oxamyl	0.01	0.02	ND	0.2
Permethrin	0.01	0.02	ND	20	Phosmet	0.01	0.02	ND	0.2
Piperonyl Butoxide	0.02	0.06	ND	8	Propiconazole	0.03	0.08	ND	20
Prallethrin	0.02	0.05	ND	0.4	Pyrethrin	0.05	0.41	ND	1
Pyridaben	0.02	0.07	ND	3	Spinosad A	0.01	0.05	ND	3
Spinosad D	0.01	0.05	ND	3	Spiromesifen	0.02	0.06	ND	12
Spirotetramat	0.01	0.02	ND	13	Tebuconazole	0.01	0.02	ND	2
Thiamethoxam	0.01	0.02	ND	4.5	Trifloxystrobin	0.01	0.02	ND	30
Acequinocyl	0.02	0.09	ND	4	Captan	0.01	0.02	ND	5
Cypermethrin	0.02	0.1	ND	1	Cyfluthrin	0.04	0.1	ND	1
Fenhexamid	0.02	0.07	ND	10	Spinetoram J,L	0.02	0.07	ND	3
Pentachloronitrobenzene	0.01	0.1	ND	0.2					

ND Not Detected
 N/A Not Applicable
 NT Not Reported
 LOD Limit of Detection
 LOQ Limit of Quantification
 <LOQ Detected
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 CFU/g Colony Forming Units per 1 gram
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RES - Residual Solvents Testing Analysis

Analyzed Jul 16, 2021 | Instrument GC/FID with Headspace Analyzer | Method SOP-006

Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g	Analyte	LOD ug/g	LOQ ug/g	Result ug/g	Limit ug/g
Propane (Prop)	0.4	40.0	<LOQ	5000	Butane (But)	0.4	40.0	<LOQ	5000
Methanol (Metha)	0.4	40.0	<LOQ	3000	Ethylene Oxide (EthOx)	0.4	0.8	ND	1
Pentane (Pen)	0.4	40.0	ND	5000	Ethanol (Ethan)	0.4	40.0	<LOQ	5000
Ethyl Ether (EthEt)	0.4	40.0	ND	5000	Acetone (Acet)	0.4	40.0	<LOQ	5000
Isopropanol (2-Pro)	0.4	40.0	<LOQ	5000	Acetonitrile (Acetonit)	0.4	40.0	<LOQ	410
Methylene Chloride (MetCh)	0.4	0.8	ND	1	Hexane (Hex)	0.4	40.0	ND	290
Ethyl Acetate (EthAc)	0.4	40.0	ND	5000	Chloroform (Clo)	0.4	0.8	ND	1
Benzene (Ben)	0.4	0.8	ND	1	1-2-Dichloroethane (12-Dich)	0.4	0.8	ND	1
Heptane (Hep)	0.4	40.0	<LOQ	5000	Trichloroethylene (TriClEth)	0.4	0.8	ND	1
Toluene (Toluene)	0.4	40.0	<LOQ	890	Xylenes (Xyl)	0.4	40.0	ND	2170

ND Not Detected
 N/A Not Applicable
 NT Not Reported
 LOD Limit of Detection
 LOQ Limit of Quantification
 <LOQ Detected
 >ULOL Above upper limit of linearity
 CFU/g Colony Forming Units per 1 gram
 TNTC Too Numerous to Count



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Quality Control Testing Official Report

Runtz

Sample ID: G0K0471-02

Matrix: Industrial Hemp

Test ID: 5007245

Source ID:

Date Sampled: 11/20/20

Date Accepted: 11/20/20

Farm #51

Results at a Glance

Total THC : 0.5959 %

Total CBD : 14.02 %

Total CBG : 0.4242 %



Eric Wendt
Chief Science Officer - 11/23/2020

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.

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Sample ID: G0K0471-02

Matrix: Industrial Hemp

Test ID: 5007245

Source ID:

Date Sampled: 11/20/20

Date Accepted: 11/20/20

Farm #51

Potency Analysis

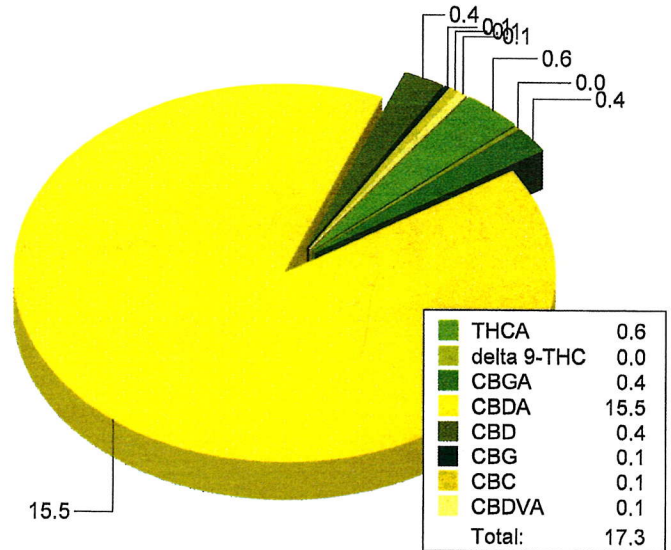
Date/Time Extracted: 11/21/20 10:51

Analysis Method/SOP: 215

Batch Identification: 2047063

Cannabinoids	LOQ (%)	% by Wt.	mg/g
Total THC	0.009080	0.5959	5.959
Total CBD	0.008300	14.02	140.2
Total CBG	7.900E-4	0.4242	4.242
THCA	0.002920	0.6233	6.233
delta 9-THC	0.009080	0.04930	0.493
THCV	0.005055	< LOQ	< LOQ
THCVA	0.001885	< LOQ	< LOQ
CBD	0.001555	0.4386	4.386
CBDA	0.008300	15.50	155
CBDV	0.005000	< LOQ	< LOQ
CBDVA	0.001640	0.08617	0.8617
CBN	0.002990	< LOQ	< LOQ
CBG	7.900E-4	0.07920	0.792
CBGA	7.900E-4	0.3930	3.93
CBC	0.008965	0.08965	0.8965

Cannabinoids Profile



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: 2047063 - 215-Hemp

Blank(2047063-BLK1)						
Analyte	Result	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	< LOQ	0.01168	%		11/21/20 10:51	11/22/20 00:42
delta 9-THC	< LOQ	0.03632	%		11/21/20 10:51	11/22/20 00:42
THCV	< LOQ	0.02022	%		11/21/20 10:51	11/22/20 00:42
THCVA	< LOQ	0.007540	%		11/21/20 10:51	11/22/20 00:42
CBD	< LOQ	0.006220	%		11/21/20 10:51	11/22/20 00:42
CBDA	< LOQ	0.008300	%		11/21/20 10:51	11/22/20 00:42
CBDV	< LOQ	0.02000	%		11/21/20 10:51	11/22/20 00:42
CBDVA	< LOQ	0.006560	%		11/21/20 10:51	11/22/20 00:42
CBN	< LOQ	0.01196	%		11/21/20 10:51	11/22/20 00:42
CBG	< LOQ	0.003160	%		11/21/20 10:51	11/22/20 00:42
CBGA	< LOQ	0.003160	%		11/21/20 10:51	11/22/20 00:42
CBC	< LOQ	0.03586	%		11/21/20 10:51	11/22/20 00:42

Reference(2047063-SRM1)						
Analyte	% Recovery	LOQ	Units	%Recovery Limits	Extracted	Analyzed
THCA	93.6	0.002920	%	80-120	11/21/20 10:51	11/22/20 01:05
delta 9-THC	95.8	0.009080	%	80-120	11/21/20 10:51	11/22/20 01:05
CBD	97.2	0.001555	%	80-120	11/21/20 10:51	11/22/20 01:05
CBDA	94.9	0.002075	%	80-120	11/21/20 10:51	11/22/20 01:05



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