

PharmLabs San Diego Certificate of Analysis

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 ISO/IEC 17025:2005 Certification L17-427-1 | Accreditation #85368



Sample **GDP**

Sample ID	SD200720-010 (37699)	Matrix	Distillate - NI (Other Cannabis Good)
Tested for	Savage Enterprises		
Sampled	-	Received	Jul 20, 2020
Analyses executed	CAN+, TER, RES, MIBIG, MTO, PES, HME, FVI	Reported	Jul 23, 2020

CAN+ - Cannabinoid Profile Analysis

Analyzed Jul 22, 2020 | Instrument HPLC-VWD | Method SOP-001

Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g
Cannabidiol (CBD)			NT	NT
Cannabidiolic Acid (CBDA)	0.01	0.02	ND	ND
Cannabigerol Acid (CBGA)	0.03	0.08	ND	ND
Cannabigerol (CBG)	0.03	0.09	ND	ND
Cannabidiol (CBD)	0.01	0.04	ND	ND
Tetrahydrocannabivarin (THCV)			NT	NT
Cannabinol (CBN)	0.03	0.1	0.37	3.74
Tetrahydrocannabinol (Δ9-THC)	0.04	0.15	ND	ND
Δ8-tetrahydrocannabinol (Δ8-THC)	0.08	0.24	69.02	690.24
Cannabinol (CBL)			NT	NT
Cannabichromene (CBC)			NT	NT
Tetrahydrocannabinolic Acid (THCA)	0.03	0.11	ND	ND
Total THC (THCa * 0.877 + THC)			-	-
Total CBD (CBDA * 0.877 + CBD)			-	-
Total CBG (CBGa * 0.877 + CBG)			0.00	0.00
TOTAL CANNABINOIDS			69.39	693.90

HME - Heavy Metals Detection Analysis

Analyzed Jul 22, 2020 | Instrument ICP/MSMS | Method SOP-005

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
Arsenic (As)	0.0002	0.05	ND	1.5	Cadmium (Cd)	3.0e-05	0.05	ND	0.5
Mercury (Hg)	1.0e-05	0.01	ND	3.0	Lead (Pb)	1.0e-05	0.125	0.01	0.5

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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MIBIG - Microbial Testing Analysis

Analyzed Jul 23, 2020 | Instrument qPCR and/or Plating | Method SOP-007

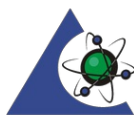
Analyte	Result CFU/g	Limit	Analyte	Result CFU/g	Limit
Shiga toxin-producing Escherichia Coli	Negative	ND per 1 gram	Salmonella spp.	Negative	ND per 1 gram
Aspergillus fumigatus	Negative	ND per 1 gram	Aspergillus flavus	Negative	ND per 1 gram
Aspergillus niger	Negative	ND per 1 gram	Aspergillus terreus	Negative	ND per 1 gram

MTO - Mycotoxin Testing Analysis

Analyzed Jul 21, 2020 | Instrument LC/MSMS | Method SOP-004

Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg	Analyte	LOD ug/kg	LOQ ug/kg	Result ug/kg (ppb)	Limit ug/kg
Ochratoxin A	0.78	1.56	ND	20	Aflatoxin B1	0.78	1.56	ND	20
Aflatoxin B2	0.78	1.56	ND	20	Aflatoxin G1	0.78	1.56	ND	20
Aflatoxin G2	0.78	1.56	ND	20	Total Aflatoxins	0.78	1.56	ND	20

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
 TNTC Too Numerous to Count



PJLA
 Testing
 Accreditation #85368



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PES - Pesticides Screening Analysis

Analyzed Jul 21, 2020 | 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	0.025	0.1	ND	0.025	Carbofuran	0.025	0.1	ND	0.025
Dimethoate	0.025	0.1	ND	0.025	Etofenprox	0.025	0.1	ND	0.025
Fenoxycarb	0.025	0.1	ND	0.025	Thiacloprid	0.025	0.1	ND	0.025
Daminozide	0.025	0.1	ND	0.025	Dichlorvos	0.025	0.1	ND	0.025
Imazalil	0.025	0.1	ND	0.025	Methiocarb	0.025	0.1	ND	0.025
Spiroxamine	0.025	0.1	ND	0.025	Coumaphos	0.025	0.1	ND	0.025
Fipronil	0.025	0.1	ND	0.025	Paclobutrazol	0.025	0.1	ND	0.025
Chlorpyrifos	0.025	0.1	ND	0.025	Ethoprophos (Prophos)	0.025	0.1	ND	0.025
Baygon (Propoxur)	0.025	0.1	ND	0.025	Chlordane	0.025	0.1	ND	0.025
Chlorfenapyr	0.025	0.1	ND	0.025	Methyl Parathion	0.025	0.1	ND	0.025
Mevinphos	0.025	0.1	ND	0.025	Abamectin	0.025	0.05	ND	0.3
Acephate	0.025	0.05	ND	5	Acetamiprid	0.025	0.05	ND	5
Azoxystrobin	0.025	0.05	ND	40	Bifenazate	0.025	0.05	ND	5
Bifenthrin	0.025	0.05	ND	0.5	Boscalid	0.025	0.05	ND	10
Carbaryl	0.025	0.05	ND	0.5	Chlorantraniliprole	0.025	0.05	ND	40
Clofentezine	0.025	0.05	ND	0.5	Diazinon	0.025	0.05	ND	0.2
Dimethomorph	0.025	0.05	ND	20	Etoazole	0.025	0.05	ND	1.5
Fenpyroximate	0.025	0.05	ND	2	Fonicamid	0.025	0.05	ND	2
Fludioxonil	0.025	0.05	ND	30	Hexythiazox	0.025	0.05	ND	2
Imidacloprid	0.025	0.05	ND	3	Kresoxim-methyl	0.025	0.05	ND	1
Malathion	0.025	0.05	ND	5	Metalaxyl	0.025	0.05	ND	15
Methomyl	0.025	0.05	ND	0.1	Myclobutanil	0.025	0.05	ND	9
Naled	0.025	0.05	ND	0.5	Oxamyl	0.025	0.05	ND	0.2
Permethrin	0.025	0.05	ND	20	Phosmet	0.025	0.05	ND	0.2
Piperonyl Butoxide	0.025	0.05	ND	8	Propiconazole	0.025	0.05	ND	20
Prallethrin	0.025	0.05	ND	0.4	Pyrethrin	0.025	0.05	ND	1
Pyridaben	0.025	0.05	ND	3	Spinosad A	0.025	0.05	ND	3
Spinosad D	0.025	0.05	ND	3	Spiromesifen	0.025	0.05	ND	12
Spirotetramat	0.025	0.05	ND	13	Tebuconazole	0.025	0.05	ND	2
Thiamethoxam	0.025	0.05	ND	4.5	Trifloxystrobin	0.025	0.05	ND	30
Acequinocyl	0.025	0.05	ND	4	Captan	0.025	0.05	ND	5
Cypermethrin	0.025	0.05	ND	1	Cyfluthrin	0.025	0.05	ND	1
Fenhexamid	0.025	0.05	ND	10	Spinetoram J,L	0.025	0.05	ND	3
Pentachloronitrobenzene	0.025	0.05	ND	0.2					

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RES - Residual Solvents Testing Analysis

Analyzed Jul 22, 2020 | 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	48.5	5000
Isopropanol (2-Pro)	0.4	40.0	<LOQ	5000	Acetonitrile (Acetonit)	0.4	40.0	208.2	410
Methylene Chloride (MetCh)	0.4	0.8	ND	1	Hexane (Hex)	0.4	40.0	<LOQ	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 (1,2-Dich)	0.4	0.8	ND	1
Heptane (Hep)	0.4	40.0	<LOQ	5000	Trichloroethylene (TriClEth)	0.4	40.0	ND	1
Toluene (Toluene)	0.4	40.0	ND	890	M,P-Xylene (mp-xyl)			ND	2170
O-Xylene (o-xyl)			ND	2170					

*The limit of 2170 ug/g for M,P-Xylene (mp-xyl) and O-Xylene (o-xyl) is to be intended as the two analytes combined.

TER - Terpenes Testing Analysis

Analyzed Jul 23, 2020 | Instrument GC/FID | Method SOP-002

Analyte	(%)	(mg/g)	Analyte	(%)	(mg/g)
a-Pinene (a-Pin)	0.05	0.46	Camphene (Cam)	ND	ND
Myrcene (Myr)	0.17	1.69	b-Pinene (b-Pin)	ND	ND
3-Carene (3-Car)	ND	ND	a-Terpinene (a-Ter)	ND	ND
a-Ocimene (a-Oci)	ND	ND	Limonene (Lim)	7.51	75.06
p-Cymene (p-Cym)	ND	ND	b-Ocimene (b-Oci)	ND	ND
Eucalyptol (Euc)	ND	ND	g-Terpinene (g-Ter)	ND	ND
Terpenolene (Terp)	0.04	0.42	Linalool (Lin)	ND	ND
Isopulegol (Isop)	ND	ND	Geraniol (Gera)	ND	ND
b-Caryophyllene (b-Cary)	0.27	2.66	a-Humulene (Hum)	0.03	0.25
cis-Nerolidol (ci-Ner)	ND	ND	trans-Nerolidol (tr-Ner)	0.95	9.50
Guaiol (Gua)	ND	ND	Caryophyllene Oxide (CarOx)	ND	ND
a-bisabolol (a-Bbis)	ND	ND			
Total Terpene Concentration				9.00 %	90.05 mg/g

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Jul 23, 2020 | Instrument Microscope | Method SOP-010

Analyte / Limit	Result	Analyte / Limit	Result
> 1/4 of the total sample area covered by sand, soil, cinders, or dirt	Negative	> 1/4 of the total sample area covered by mold	Negative
> 1 insect fragment, 1 hair, or 1 count mammalian excreta per 3g	Negative	> 1/4 of the total sample area covered by an imbedded foreign material	Negative

ND Not Detected
 N/A Not Applicable
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