

PharmLabs San Diego Certificate of Analysis

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



Sample **Delta Eighty Six - Do-Si-Dos**

Sample ID	SD200818-038 (37881)	Matrix	Distillate - NI (Other Cannabis Good)	
Tested for	Eighty Six Brand			
Sampled	-	Received	Aug 17, 2020	
Analyses executed	CAN+, TER, RES, MIBIG, MTO, PES, HME, FVI		Reported	Aug 21, 2020

CAN+ - Cannabinoid Profile Analysis

Analyzed Aug 19, 2020 | Instrument HPLC-VWD | Method SOP-001

Analyte	LOD ppm	LOQ ppm	Result %	Result mg/g
Cannabidivarin (CBDV)			ND	ND
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)			ND	ND
Cannabinol (CBN)	0.03	0.1	ND	ND
Tetrahydrocannabinol (Δ^9 -THC)	0.04	0.15	ND	ND
Δ^8 -tetrahydrocannabinol (Δ^8 -THC)	0.08	0.24	64.19	641.89
Cannabinol (CBL)			ND	ND
Cannabichromene (CBC)			ND	ND
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			64.19	641.90

Sample photography



HME - Heavy Metals Detection Analysis

Analyzed Aug 20, 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	ND	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



Authorized Signature

Dr. Lia Prevedello, Laboratory Director
 Fri, 21 Aug 2020 18:26:57 -0700

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MIBIG - Microbial Testing Analysis

Analyzed Aug 20, 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 Aug 20, 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

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PES - Pesticides Screening Analysis

Analyzed Aug 20, 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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PJLA
 Testing
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RES - Residual Solvents Testing Analysis

Analyzed Aug 21, 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	ND	5000
Ethyl Ether (EthEt)	0.4	40.0	ND	5000	Acetone (Acet)	0.4	40.0	130.3	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 (1,2-Dich)	0.4	0.8	1.4	1
Heptane (Hep)	0.4	40.0	ND	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 Aug 21, 2020 | Instrument GC/FID | Method SOP-002

Analyte	(%)	(mg/g)	Analyte	(%)	(mg/g)
a-Pinene (a-Pin)	ND	ND	Camphene (Cam)	ND	ND
Myrcene (Myr)	0.10	0.96	b-Pinene (b-Pin)	0.04	0.42
3-Carene (3-Car)	ND	ND	a-Terpinene (a-Ter)	ND	ND
a-Ocimene (a-Oci)	ND	ND	Limonene (Lim)	0.20	1.96
p-Cymene (p-Cym)	ND	ND	b-Ocimene (b-Oci)	ND	ND
Eucalyptol (Euc)	ND	ND	g-Terpinene (g-Ter)	ND	ND
Terpenolene (Terp)	0.52	5.20	Linalool (Lin)	0.27	2.67
Isopulegol (Isop)	0.62	6.20	Geraniol (Gera)	ND	ND
b-Caryophyllene (b-Cary)	ND	ND	a-Humulene (Hum)	0.29	2.91
cis-Nerolidol (ci-Ner)	ND	ND	trans-Nerolidol (tr-Ner)	ND	ND
Guaiol (Gua)	ND	ND	Caryophyllene Oxide (CarOx)	0.12	1.16
a-bisabolol (a-Bbis)	0.51	5.06			
Total Terpene Concentration				2.65 %	26.52 mg/g

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Aug 20, 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	ND	> 1/4 of the total sample area covered by mold	ND
> 1 insect fragment, 1 hair, or 1 count mammalian excreta per 3g	ND	> 1/4 of the total sample area covered by an imbedded foreign material	ND

ND Not Detected
 N/A Not Applicable
 NT Not Reported
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