SD230330-048 page 1 of 3

PharmLabs San Diego Certificate of Analysis

3421 Hancock St, Second Floor, San Diego, CA 92110 | License: C8-0000098-LIC ISO/IEC 17025:2017 Certification L17-427-1 | Accreditation #85368

sample D8 - Apple Space Rocks

Sample ID SD230330-048 (70916)		Matrix Concentrate (Inhalable Cannabis Good)	
Tested for LITTO			
Sampled -	Received Mar 30, 2023	Reported Apr 04, 2023	
Analyses executed CANX, RES, MIBIG, MTO, PES,	, HME, FVI		Unit Mass (g) 2.0

Laboratory note: The estimated concentration of the unknown peak in the sample is 2.90% | Currently PharmLabs laboratory can not confirm an unidentified peak in your chromatogram due to interference (only with highly concentrated D8 products) from which we believe to be either (+)d8-THC or d9-THC. At this time there are no reference standards available for (+)d8-THC. (+)d8-THC is a different compound from the main (-)d8-THC cannobinoid and, therefore, these two compounds may have different efficacies. Using the most advanced instruments and techniques available, the separation of (+)d8-THC and d9-THC is problematic for the scientific community as a whole. PharmLabs believes the unidentified peak to be a combination of (+)d8-THC with the majority, if not all, of the concentration being (+)d8-THC. Total (+/-) D8 Concentration is estimated to be 41.80%

CANX - Cannabinoids Analysis

Analyzed Mar 31, 2023 | Instrument HPLC-VWD | Method The expanded Uncertainty of the Cannabinoid analysis is approximately **37.806%** at the 95% Confidence Level

Analyte	LOD mg/g	LOQ mg/g	Result %	Result mg/g	Result mg/Unit
1-Hydroxy-Δ8-Tetrahydrocannabivarin (11-Hyd-Δ8-THCV)	0.013	0.041	ND	ND	ND
Cannabidiorcin (CBDO)	0.002	0.007	ND	ND	ND
bnormal Cannabidiorcin (a-CBDO)	0.01	0.031	ND	ND	ND
+/-)-9B-hydroxy-Hexahydrocannibinol (9b-HHC)	0.012	0.036	ND	ND	ND
-Hydroxy-Δ8-Tetrahydrocannabinol (11-Hyd-Δ8-THC)	0.007	0.021	ND	ND	ND
Cannabidiolic Acid (CBDA)	0.001	0.16	ND	ND	ND
annabigerol Acid (CBGA)	0.001	0.16	ND	ND	ND
Cannabigerol (CBG)	0.001	0.16	ND	ND	ND
annabidiol (CBD)	0.001	0.16	ND	ND	ND
S)-THD (s-THD)	0.013	0.041	ND	ND	ND
R)-THD (r-THD)	0.025	0.075	ND	ND	ND
etrahydrocannabivarin (THCV)	0.001	0.16	ND	ND	ND
8-tetrahydrocannabivarin (Δ8-THCV)	0.021	0.064	ND	ND	ND
annabidihexol (CBDH)	0.005	0.16	ND	ND	ND
etrahydrocannabutol (Δ9-THCB)	0.013	0.038	ND	ND	ND
annabinol (CBN)	0.001	0.16	ND	ND	ND
annabidiphorol (CBDP)	0.015	0.047	ND	ND	ND
xo-THC (exo-THC)	0.005	0.16	ND	ND	ND
etrahydrocannabinol (Δ9-THC)	0.003	0.16	UI	UI	UI
8-tetrahydrocannabinol (Δ8-THC)	0.004	0.16	41.80	418.00	836.00
aR,9S)-Δ10-Tetrahydrocannabinol ((6aR,9S)-Δ10)	0.015	0.16	ND	ND	ND
exahydrocannabinol (S Isomer) (9s-HHC)	0.017	0.16	15.96	159.56	319.12
aR,9R)-Δ10-Tetrahydrocannabinol ((6aR,9R)-Δ10)	0.007	0.16	ND	ND	ND
exahydrocannabinol (R Isomer) (9r-HHC)	0.016	0.16	32.39	323.91	647.82
etrahydrocannabinolic Acid (THCA)	0.001	0.16	ND	ND	ND
9-Tetrahydrocannabihexol (Δ9-THCH)	0.024	0.071	ND	ND	ND
annabinol Acetate (CBNO)	0.014	0.043	ND	ND	ND
9-Tetrahydrocannabiphorol (Δ9-THCP)	0.017	0.16	1.80	18.04	36.09
8-Tetrahydrocannabiphorol (Δ8-THCP)	0.041	0.16	ND	ND	ND
annabicitran (CBT)	0.005	0.16	ND	ND	ND
8-THC-O-acetate (Δ8-THCO)	0.076	0.16	ND	ND	ND
(S)-HHCP (s-HHCP)	0.031	0.094	ND	ND	ND
9-THC-O-acetate (∆9-THCO)	0.066	0.16	ND	ND	ND
(R)-HHCP (r-HHCP)	0.026	0.079	ND	ND	ND
(S)-HHC-O-acetate (s-HHCO)	0.005	0.16	ND	ND	ND
octyl-Δ8-Tetrahydrocannabinol (Δ8-THC-C8)	0.067	0.204	ND	ND	ND
9-THC methyl ether (Δ9-MeO-THC)			ND	ND	ND
otal THC (THCa * 0.877 + Δ9THC)			ND	ND	ND
otal THC + Δ 8THC + Δ 10THC (THCa * 0.877 + Δ 9THC + Δ 8THC + Δ 10THC)			41.80	418.00	836.00
otal CBD (CBDa * 0.877 + CBD)			ND	ND	ND
otal CBG (CBGa * 0.877 + CBG)			ND	ND	ND
otal HHC (9r-HHC + 9s-HHC)			48.35	483.47	966.94
otal Cannabinoids			91.95	919.51	1839.03

HME - Heavy Metals Detection Analysis

Analyzed Apr 04, 2023 | 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	0.0005	ND	0.2	Cadmium (Cd)	3.0e-05	0.0005	ND	0.2
Mercury (Hg)	1.0e-05	0.0001	ND	0.1	Lead (Pb)	1.0e-05	0.00125	ND	0.5

UI Not Identified ND Not Detected N/A Not Applicable NT Not Reported LOD Limit of Detection LOQ Limit of Otentification <LOQ Detected NUCU. Above upper limit of linearity >ULCU. Above upper limit of linearity CFU/Q colong Forming Units per 1 gram TNTC Too Numerous to Count







Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Tue, 04 Apr 2023 14:31:21 -0700



PharmLabs San Diego | 3421 Hancock St, Second Floor, San Diego, CA 92110 | 619.356.0898 | ISO/IEC 17025:2017 Certification L17-427-1 This report shall not be reprodued except in full, without the written approval of the lab. This report is for informational purposes only and should not be used to diagnase, treat or prevent any disease. Results are only for samples and batches indicated. Results are reported on Past/Faileviation unless explicitly required by federation of the compliance. The measurement of uncertainty is not included in the Past/Faileviation unless explicitly required by federation of the compliance. The measurement of uncertainty is not included in the Past/Faileviation unless explicitly on request.



SD230330-048 page 2 of 3

QA Testing

MIBIG - Microbial Testing Analysis

Analyzed Apr 04, 2023 | Instrument qPCR and/or Plating | Method SOP-007

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

MTO - Mycotoxin Testing Analysis

Analyzed Apr 04, 2023 | 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	5.0	20.0	ND	20	Aflatoxin B1	2.5	5.0	ND	-
Aflatoxin B2	2.5	5.0	ND	-	Aflatoxin G1	2.5	5.0	ND	-
Aflatoxin G2	2.5	5.0	ND	-	Total Aflatoxins	10.0	20.0	ND	20

UI Not Identified ND Not Detected NA Not Applicable NT Not Reported LOD Limit of Detection LOQ Limit of Quantification <LOQ Detected NUCU. Above upper limit of linearity >ULCU. Above upper limit of linearity CFU/Q colony forming Units per 1 gram TNTC Too Numerous to Count







Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Tue, 04 Apr 2023 14:31:21 -0700



PharmLabs San Diego | 3421 Hancock St, Second Floor, San Diego, CA 92110 | 619.356.0898 | ISO/IEC 17025:2017 Certification L17-427-1 This report shall not be reprodued except in full, without the written approval of the Job, This report is for informational purposes only and about not be used to diagoas, treat or prevent any disease. Results are only for samples and batches indicated. Results are reported on The report shall not use scale to the customer to be in compliance. The measurement of uncertainty is not included in the Poss/foll evolution unless explicitly required by federal, latter or local to an and base and has been reported on the remotification of analysis. Measurement of uncertainty is not included in the Poss/foll evolution unless explicitly environment of uncertainty is not included in the submer in the uncertainty of an analysis. Measurement of uncertainty is not included in the poss/foll evolution unless explicitly environment of uncertainty is not included in the submer in the uncertainty is not included in the submer in the uncertainty is not included in the poss/foll evolution unless explicitly environment of uncertainty is not included in the submer in the submer in the uncertainty is not included in the poss/foll evolution unless explicitly environment of uncertainty is not included in the submer in the submer in the uncertainty is not included in the submer in the uncertainty is not included in the submer in the uncertainty is not included in the submer in the uncertainty is not included in the submer in the uncertainty is not included in the submer in the uncertainty is not included in the uncertaint

SD230330-048 page 3 of 3

QA Testing

PES - Pesticides Screening Analysis

Analyzed Apr 04, 2023 | 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 (Prophos)	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	0.1
Acephate	0.02	0.05	ND	0.1	Acetamiprid	0.01	0.05	ND	0.1
Azoxystrobin	0.01	0.02	ND	0.1	Bifenazate	0.01	0.05	ND	0.1
Bifenthrin	0.02	0.35	ND	3	Boscalid	0.01	0.03	ND	0.1
Carbaryl	0.01	0.02	ND	0.5	Chlorantraniliprole	0.01	0.04	ND	10
Clofentezine	0.01	0.03	ND	0.1	Diazinon	0.01	0.02	ND	0.1
Dimethomorph	0.02	0.06	ND	2	Etoxazole	0.01	0.05	ND	0.1
Fenpyroximate	0.02	0.1	ND	0.1	Flonicamid	0.01	0.02	ND	0.1
Fludioxonil	0.01	0.05	ND	0.1	Hexythiazox	0.01	0.03	ND	0.1
Imidacloprid	0.01	0.05	ND	5	Kresoxim-methyl	0.01	0.03	ND	0.1
Malathion	0.01	0.05	ND	0.5	Metalaxyl	0.01	0.02	ND	2
Methomyl	0.02	0.05	ND	1	Myclobutanil	0.02	0.07	ND	0.1
Naled	0.01	0.02	ND	0.1	Oxamyl	0.01	0.02	ND	0.5
Permethrin	0.01	0.02	ND	0.5	Phosmet	0.01	0.02	ND	0.1
Piperonyl Butoxide	0.02	0.06	ND	3	Propiconazole	0.03	0.08	ND	0.1
Prallethrin	0.02	0.05	ND	0.1	Pyrethrin	0.05	0.41	ND	0.5
Pyridaben	0.02	0.07	ND	0.1	Spinosad A	0.01	0.05	ND	0.1
Spinosad D	0.01	0.05	ND	0.1	Spiromesifen	0.02	0.06	ND	0.1
Spirotetramat	0.01	0.02	ND	0.1	Tebuconazole	0.01	0.02	ND	0.1
Thiamethoxam	0.01	0.02	ND	5	Trifloxystrobin	0.01	0.02	ND	0.1
Acequinocyl	0.02	0.09	ND	0.1	Captan	0.01	0.02	ND	0.7
Cypermethrin	0.02	0.1	ND	1	Cyfluthrin	0.04	0.1	ND	2
Fenhexamid	0.02	0.07	ND	0.1	Spinetoram J,L	0.02	0.07	ND	0.1
Pentachloronitrobenzene	0.01	0.1	ND	0.1					

RES - Residual Solvents Testing Analysis

Analyzed Apr 03, 2023 | 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	ND	5000.0	Butane (But)	0.4	40.0	ND	5000.0
Methanol (Metha)	0.4	40.0	ND	3000.0	Ethylene Oxide (EthOx)	0.4	0.8	ND	1.0
Pentane (Pen)	0.4	40.0	ND	5000.0	Ethanol (Ethan)	0.4	40.0	ND	5000.0
Ethyl Ether (EthEt)	0.4	40.0	ND	5000.0	Acetone (Acet)	0.4	40.0	59.5	5000.0
Isopropanol (2-Pro)	0.4	40.0	ND	5000.0	Acetonitrile (Acetonit)	0.4	40.0	ND	410.0
Methylene Chloride (MetCh)	0.4	0.8	ND	1.0	Hexane (Hex)	0.4	40.0	ND	290.0
Ethyl Acetate (EthAc)	0.4	40.0	ND	5000.0	Chloroform (Clo)	0.4	0.8	ND	1.0
Benzene (Ben)	0.4	0.8	ND	1.0	1-2-Dichloroethane (12-Dich)	0.4	0.8	ND	1.0
Heptane (Hep)	0.4	40.0	ND	5000.0	Trichloroethylene (TriClEth)	0.4	0.8	ND	1.0
Toluene (Toluene)	0.4	40.0	ND	890.0	Xylenes (Xyl)	0.4	40.0	ND	2170.0

FVI - Filth & Foreign Material Inspection Analysis

Analyzed Mar 30, 2023 | 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







Authorized Signature

Brandon Starr

Brandon Starr, Lab Manager Tue, 04 Apr 2023 14:31:21 -0700



PharmLabs San Diego | 3421 Hancock St, Second Floor, San Diego, CA 92110 | 619.356.0898 | ISO/IEC 17025:2017 Certification L17-427-1 This report shall not be reproduced except in full, without the written approval of the lab. This report is for informational purposes only and should not be used to diagnose, treat or prevent any disease. Results are only for samples and batches indicated. Results are reported on an "os received" basis, unless indicated otherwise. When a Pass/Fail status is reported, that status is intended to be in accordance with federal, state and local laws which are required for the customer to be in compliance. The measurement of uncertainty is not included in the Pass/Fail evolution unless explicitude, state or including and accordance with federal or should not be upon request.