



Wises Landing X 1000 mg CBD Oil

Product Description:	1 ounce (30 mL) of 33 mg/mL CBD Oil
Formulation Date:	8/2/2019
Expiration Date:	8/2020
Country of Origin	United States
Storage:	Store in a cool, dry place away from light. Do not use if safety seal is broken.
Packaging:	1 ounce glass amber bottle.
Disclaimers:	Keep out of reach of children. No to be used during pregnancy or lactation. Please consult a physician before taking if you have a medical condition or are currently taking other medications.
Safety Warning:	This product has not been evaluated by the United States Food and Drug Administration (FDA) and is not intended to diagnose, treat, cure or prevent any disease. This product contains no detectable delta 9-THC, compliant with the Federal Farm Bill.

Batch Information

Batch Size:	9.7 L
Quantity Produced:	323

Formulation

Ingredient	Manufacturer	Lot No.
MCT Oil:	Kraft Chemical Co.	BTB1903033
Proprietary Terpene Blend	PHARM CBD	19071613
All-Natural Spearmint Flavoring:	Bickford Flavors	SOS61919
CBD Isolate	GenCanna	CC190076C_RE

Test Results Summary

Cannabinoids

Cannabinoid	60 mL Total (mg)	Weight Percentage (%)	Concentration (mg/g)
Total CBD	1044.4	3.48%	34.81
Total THC	0	0.00%	0.00

Other Testing

Residual Solvents:	None Detected	Salmonella:	None Detected
Heavy Metals:	None Detected	Escherichia coli:	None Detected
Pesticides:	None Detected	Aspergillus:	None Detected
Mycotoxins:	None Detected		



19060-1
Harvest/Lot ID: # 19060
Batch#: 19060

<p>PHARM CBD PO Box 182 BEDFORD KY, USA 40006 (502) 599-4437 eogburn@PHARM-CBD.COM</p>		<p>SAMPLE: DA90813008-002 Sample is BELOW 0.3% THC Ordered: 08/09/19 Sampled: 08/09/19 Completed: 08/16/19 Expires: 08/16/20</p>
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Image



Safety

- Pesticides - Passed
- Microbials - Passed
- Mycotoxins - Passed
- Heavy Metals - Passed
- Terpenes - Tested
- Residual-Solvents - Passed
- Filth - Passed
- Water Activity - NOT Tested
- Moisture - NOT Tested

Cannabinoids

Analyte	Weight(%)	mg/g
D9-THC	ND	ND
THCA	ND	ND
CBD	3.604	36.040
CBDA	ND	ND
CBN	0.037	0.370
CBDV	0.006	0.060
D8-THC	ND	ND
THCV	ND	ND
CBG	ND	ND
CBGA	ND	ND
CBC	ND	ND
TOTAL THC	ND	ND
TOTAL CBD	3.604	36.040

Cannabinoids

0.000% Total THC	3.604% Total CBD
0.00 mg THC/Container	1081.20 mg CBD/Container



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Pesticides	LOQ	Action Level	Units	Result	Pesticides	LOQ	Action Level	Units	Result
DIMETHOATE	0.01	0.05	ppm	ND	COUMAPHOS	0.005	0.05	ppm	ND
ABAMECTIN B1A	0.02	0.1	ppm	ND	MALATHION	0.01	0.05	ppm	ND
PENTACHLORONITROBENZENE	0.01	0.2	ppm	ND	CYPERMETHRIN	0.02	0.5	ppm	ND
METHYL PARATHION	0.05	0.2	ppm	ND	DAMINOZIDE	0.02	0.5	ppm	ND
CYFLUTHRIN	0.05	1	ppm	ND	METALAXYL	0.01	0.05	ppm	ND
CIS-PERMETHRIN	0.05	0.1	ppm	ND	DICHLORVOS	0.05	0.1	ppm	ND
ACEPHATE	0.01	0.1	ppm	ND	METHIOCARB	0.01	0.05	ppm	ND
DIMETHOMORPH	0.005	0.05	ppm	ND	METHOMYL	0.01	0.1	ppm	ND
ETHOPROPHOS	0.01	0.05	ppm	ND	DIAZANON	0.01	0.05	ppm	ND
ACEQUINOXYL	0.05	0.1	ppm	ND	MEVINPHOS	0.01	0.05	ppm	ND
ACETAMIPRID	0.01	0.05	ppm	ND	MYCLOBUTANIL	0.01	0.1	ppm	ND
ETOFENPROX	0.01	0.05	ppm	ND	NALED	0.01	0.25	ppm	ND
ALDICARB	0.02	0.05	ppm	ND	OXAMYL	0.01	0.25	ppm	ND
ETOXAZOLE	0.01	0.05	ppm	ND	PACLOBUTRAZOL	0.01	0.05	ppm	ND
AZOXYSTROBIN	0.01	0.05	ppm	ND	TRANS-PERMETHRIN	0.05	0.1	ppm	ND
FENHEXAMID	0.01	0.1	ppm	ND	PHOSMET	0.01	0.1	ppm	ND
BIFENAZATE	0.01	0.1	ppm	ND	PIPERONYL BUTOXIDE	0.01	3	ppm	ND
FENOXYCARB	0.01	0.05	ppm	ND	PRALLETHRIN	0.05	0.1	ppm	ND
FENPYROXIMATE	0.01	0.5	ppm	ND	PROPOCONAZOLE	0.01	0.1	ppm	ND
BIFENTHRIN	0.01	0.1	ppm	ND	PROPOXUR	0.01	0.1	ppm	ND
CARBARYL	0.01	0.1	ppm	ND	PYRETHRINS (PYRETHRIN I)	0.01	0.5	ppm	ND
FIPRONIL	0.02	0.05	ppm	ND	PYRIDABEN	0.01	0.2	ppm	ND
FLONICAMID	0.01	0.4	ppm	ND	SPINOSAD (SPINOSYN A)	0.01	0.1	ppm	ND
CARBOFURAN	0.01	0.1	ppm	ND	SPINOSAD (SPINOSYN D)	0.01	0.1	ppm	ND
CHLORANTRANILIPROLE	0.01	0.1	ppm	ND	SPIROMESIFEN	0.01	0.1	ppm	ND
FLUDIOXONIL	0.01	0.1	ppm	ND	SPIROTETRAMAT	0.02	0.1	ppm	ND
HEXYTHIAZOX	0.01	0.25	ppm	ND	SPIROXAMINE	0.01	0.05	ppm	ND
CHLORFENAPYR	0.01	0.05	ppm	ND	TEBUCONAZOLE	0.01	0.05	ppm	ND
IMAZAIL	0.01	0.05	ppm	ND	THIACLOPRID	0.01	0.05	ppm	ND
CHLORPYRIFOS	0.01	0.1	ppm	ND	THIAMETHOXAM	0.01	0.05	ppm	ND
IMIDACLOPRID	0.01	0.1	ppm	ND	TRIFLOXYSTROBIN	0.01	0.1	ppm	ND
CLOFENTEZINE	0.01	0.2	ppm	ND					
KRESOXIM-METHYL	0.01	0.1	ppm	ND					

Jorge Segredo
Lab Director

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19060-1
Harvest/Lot ID: # 19060
Batch#: 19060

PHARM CBD

PO Box 182 BEDFORD
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SAMPLE: DA90813008-002

Sample is BELOW 0.3% THC
Ordered: 08/09/19 Sampled: 08/09/19
Completed: 08/16/19 Expires: 08/16/20

Residual solvent

Residual solvent	Action Level(ppm)	Pass/Fail	Results(ppm)
1,2-DICHLOROETHANE	2	Pass	ND
1,1-DICHLOROETHENE	8	Pass	ND
1,4-DIOXANE		Pass	ND
2-BUTANOL		Pass	ND
2-ETHOXYETHANOL		Pass	ND
2-PROPANOL	500	Pass	ND
ACETONE	750	Pass	ND
ACETONITRILE	60	Pass	ND
BENZENE	1	Pass	ND
BUTANES (ISO-BUTANE)	2000	Pass	ND
BUTANES (N-BUTANE)	2000	Pass	ND
CHLOROFORM	2	Pass	ND
ETHANOL	5000	Pass	ND
ETHYL ACETATE	400	Pass	ND
CYCLOHEXANE		Pass	ND
DICHLOROMETHANE		Pass	ND
ETHYL ETHER	500	Pass	ND
ETHYLENE OXIDE	5	Pass	ND
ETHYLBENZENE		Pass	ND
HEPTANE	500	Pass	ND
HEXANES (2,2-DIMETHYLBUTANE)	60	Pass	ND
HEXANES (2,3-DIMETHYLBUTANE)	60	Pass	ND
HEXANES (2-METHYLPENTANE)	60	Pass	ND
HEXANES (3-METHYLPENTANE)	60	Pass	ND
ISOPROPYL ACETATE		Pass	ND
METHYLENE CHLORIDE	125	Pass	ND
METHANOL	250	Pass	ND
N-HEXANE	60	Pass	ND
PENTANES (ISO-PENTANE)		Pass	ND
PENTANES (N-PENTANE)	750	Pass	ND
PENTANES (NEO-PENTANE)		Pass	ND
PROPANE	2100	Pass	ND
TETRAHYDROFURAN		Pass	ND
TOLUENE	150	Pass	ND
TOTAL XYLENES	150	Pass	ND
TRICHLOROETHYLENE	25	Pass	ND

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Cannabinoid Profile Test Result-Analysis Method :SOP.T.40.020, SOP.T.30.050

Analytical Batch:DA005569

Reagent LOT ID	Dilution	Consumables Id	Reagent LOT ID	Dilution	Consumables Id
081319.R05	10	76124-662	081419.R23		923C4-923AK
081419.R14		SFN-BX-1025	081319.R03		910C6-910H

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L).

Fith and foreign Materials-Analysis Method :

Analytical Batch:DA005580

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is use for inspection.

Mycotoxin Analysis-Analysis Method :SOP.T.30.065, SOP.T.40.065

Analytical Batch:DA005558

Analyte	Results	Action Level
AFLATOXIN_G2	ND	0.02
AFLATOXIN_G1	ND	0.02
AFLATOXIN_B2	ND	0.02
AFLATOXIN_B1	ND	0.02
OCHRATOXIN_A	ND	0.02

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T40.065 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflotoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg.

Micro Analysis-Analysis method :SOP.T.40.043

Analytical Batch: DA005567

Reagent LOT/ID	Dilution	Consumables id
081219.R21		

Pathogens	Results
ASPERGILLUS_TERREUS_IJ2	not present in 1 gram.
ASPERGILLUS_NIGER	not present in 1 gram.
ASPERGILLUS_FUMIGATUS	not present in 1 gram.
ASPERGILLUS_FLAVUS	not present in 1 gram.
SALMONELLA_SPECIFIC_GENE	not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP	not present in 1 gram.

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

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Pesticide Analysis-Analysis Method: SOP.T.30.065, SOP.T.40.065

Reagent LOT/ID	Dilution	Consumables ID
	1	

Analytical Batch :DA005555

Reagent LOT/ID	Dilution	Consumables ID

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.065 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T.40.065 Procedure for Pesticide Quantification Using LCMS).

Heavy Metals Analysis-Analysis-Method: SOP.T.40.050, SOP.T.30.052

Reagent LOT/ID	Dilution	Consumables ID
	50	

Analytical Batch: DA005585

Reagent LOT/ID	Dilution	Consumables ID

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS.

Metal	Result	Action-Level
ARSENIC	ND	0.2
CADMIUM	ND	0.2
LEAD	ND	0.5
MERCURY	ND	0.1

Abbreviation: ppm=Parts Per Million

Residual Solvents Analysis Method: SOP.T.40.032

Reagent LOT ID	Dilution	Consumables Id
	1	

Analytical Batch :DA005573

Reagent LOT ID	Dilution	Consumables Id

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 34 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

Terpenes screening-Analysis-Method: SOP.T.40.090

Reagent LOT ID	Dilution	Consumables Id
081319.R07	10	180711

Analytical Batch :DA005564

Reagent LOT ID	Dilution	Consumables Id
		SFN-BX-1025

Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography – Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC-MSMS.

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Image



Safety

Pesticides - Passed
Microbials - Passed
Mycotoxins - Passed
Heavy Metals - Passed
Terpenes - Tested
Residual-Solvents - Passed
Filtth - Passed
Water Activity - NOT Tested
Moisture - NOT Tested

Cannabinoids

Analyte	Weight(%)	mg/g
D9-THC	ND	ND
THCA	ND	ND
CBD	3.396	33.960
CBDA	ND	ND
CBN	0.038	0.380
CBDV	0.005	0.050
D8-THC	ND	ND
THCV	ND	ND
CBG	ND	ND
CBGA	ND	ND
CBC	ND	ND
TOTAL THC	ND	ND
TOTAL CBD	3.396	33.960

Cannabinoids

0.00% Total THC	3.396% Total CBD
0.00 mg THC/Container	1,018.80 mg CBD/Container





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Pesticides	LOQ	Action Level	Units	Result	Pesticides	LOQ	Action Level	Units	Result
DIMETHOATE	0.01	0.05	ppm	ND	COUMAPHOS	0.005	0.05	ppm	ND
ABAMECTIN B1A	0.02	0.1	ppm	ND	MALATHION	0.01	0.05	ppm	ND
PENTACHLORONITROBENZENE	0.01	0.2	ppm	ND	CYPERMETHRIN	0.02	0.5	ppm	ND
METHYL PARATHION	0.05	0.2	ppm	ND	DAMINOZIDE	0.02	0.5	ppm	ND
CYFLUTHRIN	0.05	1	ppm	ND	METALAXYL	0.01	0.05	ppm	ND
CIS-PERMETHRIN	0.05	0.1	ppm	ND	DICHLORVOS	0.05	0.1	ppm	ND
ACEPHATE	0.01	0.1	ppm	ND	METHIOCARB	0.01	0.05	ppm	ND
DIMETHOMORPH	0.005	0.05	ppm	ND	METHOMYL	0.01	0.1	ppm	ND
ETHOPROPHOS	0.01	0.05	ppm	ND	DIAZANON	0.01	0.05	ppm	ND
ACEQUINOCYL	0.05	0.1	ppm	ND	MEVINPHOS	0.01	0.05	ppm	ND
ACETAMIPRID	0.01	0.05	ppm	ND	MYCLOBUTANIL	0.01	0.1	ppm	ND
ETOFENPROX	0.01	0.05	ppm	ND	NALED	0.01	0.25	ppm	ND
ALDICARB	0.02	0.05	ppm	ND	OXAMYL	0.01	0.25	ppm	ND
ETOXAZOLE	0.01	0.05	ppm	ND	PACLOBUTRAZOL	0.01	0.05	ppm	ND
AZOXYSTROBIN	0.01	0.05	ppm	ND	TRANS-PERMETHRIN	0.05	0.1	ppm	ND
FENHEXAMID	0.01	0.1	ppm	ND	PHOSMET	0.01	0.1	ppm	ND
BIFENAZATE	0.01	0.1	ppm	ND	PIPERONYL BUTOXIDE	0.01	3	ppm	ND
FENOXYCARB	0.01	0.05	ppm	ND	PRALLETHRIN	0.05	0.1	ppm	ND
FENPYROXIMATE	0.01	0.5	ppm	ND	PROPICONAZOLE	0.01	0.1	ppm	ND
BIFENTHRIN	0.01	0.1	ppm	ND	PROPOXUR	0.01	0.1	ppm	ND
CARBARYL	0.01	0.1	ppm	ND	PYRETHRINS (PYRETHRIN I)	0.01	0.5	ppm	ND
FIPRONIL	0.02	0.05	ppm	ND	PYRIDABEN	0.01	0.2	ppm	ND
FLONICAMID	0.01	0.4	ppm	ND	SPINOSAD (SPINOSYN A)	0.01	0.1	ppm	ND
CARBORURAN	0.01	0.1	ppm	ND	SPINOSAD (SPINOSYN D)	0.01	0.1	ppm	ND
CHLORANTRANILIPROLE	0.01	0.1	ppm	ND	SPIROMESIFEN	0.01	0.1	ppm	ND
FLUDIOXONIL	0.01	0.1	ppm	ND	SPIROTETRAMAT	0.02	0.1	ppm	ND
HEXYTHIAZOX	0.01	0.25	ppm	ND	SPIROXAMINE	0.01	0.05	ppm	ND
CHLORFENAPYR	0.01	0.05	ppm	ND	TEBUCONAZOLE	0.01	0.05	ppm	ND
IMAZALIL	0.01	0.05	ppm	ND	THIACLOPRID	0.01	0.05	ppm	ND
CHLORPYRIFOS	0.01	0.1	ppm	ND	THIAMETHOXAM	0.01	0.05	ppm	ND
IMIDACLOPRID	0.01	0.1	ppm	ND	TRIFLOXYSTROBIN	0.01	0.1	ppm	ND
CLOFENTEZINE	0.01	0.2	ppm	ND					
KRESOXIM-METHYL	0.01	0.1	ppm	ND					

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Residual solvent	Action Level(ppm)	Pass/Fail	Results(ppm)
1,2-DICHLOROETHANE	2	Pass	ND
1,1-DICHLOROETHENE	8	Pass	ND
1,4-DIOXANE		Pass	ND
2-BUTANOL		Pass	ND
2-ETHOXYETHANOL		Pass	ND
2-PROPANOL	500	Pass	ND
ACETONE	750	Pass	ND
ACETONITRILE	60	Pass	ND
BENZENE	1	Pass	ND
BUTANES (ISO-BUTANE)	2000	Pass	ND
BUTANES (N-BUTANE)	2000	Pass	ND
CHLOROFORM	2	Pass	ND
ETHANOL	5000	Pass	ND
ETHYL ACETATE	400	Pass	ND
CYCLOHEXANE		Pass	ND
DICHLOROMETHANE		Pass	ND
ETHYL ETHER	500	Pass	ND
ETHYLENE OXIDE	5	Pass	ND
ETHYLBENZENE		Pass	ND
HEPTANE	500	Pass	ND
HEXANES (2,2-DIMETHYLBUTANE)	60	Pass	ND
HEXANES (2,3-DIMETHYLBUTANE)	60	Pass	ND
HEXANES (2-METHYLPENTANE)	60	Pass	ND
HEXANES (3-METHYLPENTANE)	60	Pass	ND
ISOPROPYL ACETATE		Pass	ND
METHALENE CHLORIDE	125	Pass	ND
METHANOL	250	Pass	ND
N-HEXANE	60	Pass	ND
PENTANES (ISO-PENTANE)		Pass	ND
PENTANES (N-PENTANE)	750	Pass	ND
PENTANES (NEO-PENTANE)		Pass	ND
PROPANE	2100	Pass	ND
TETRAHYDROFURAN		Pass	ND
TOLUENE	150	Pass	ND
TOTAL XYLENES	150	Pass	ND
TRICHLOROETHYLENE	25	Pass	ND

Jorge Segredo
Lab Director

State License # n/a
ISO Accreditation #
97164

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PHARM CBD

PO Box 182 BEDFORD
KY, USA 40006
(502) 599-4437
eogburn@PHARM-CBD.COM



SAMPLE:DA90813008-003

Sample is BELOW 0.3% THC
Ordered: 08/09/19 Sampled:08/09/19
Completed: 08/19/19 Expires: 08/19/20

Cannabinoid Profile Test Result-Analysis Method :SOP.T.40.020, SOP.T.30.050

Analytical Batch:DA005569

Reagent LOT ID	Dilution	Consumables Id	Reagent LOT ID	Dilution	Consumables Id
081319.R05	10	76124-662	081419.R23		923C4-923AK
081419.R14		SFN-BX-1025	081319.R03		910C6 - 910H

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L).

Filth and foreign Materials-Analysis Method :

Analytical Batch:DA005580

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is use for inspection.

Mycotoxin Analysis-Analysis Method :SOP.T.30.065, SOP.T.40.065

Analytical Batch:DA005571

Analyte	Results	Action Level
AFLATOXIN_G2	ND	0.02
AFLATOXIN_G1	ND	0.02
AFLATOXIN_B2	ND	0.02
AFLATOXIN_B1	ND	0.02
OCHRATOXIN_A	ND	0.02

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T40.065 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg.

Micro Analysis-Analysis method :SOP.T.40.043

Analytical Batch: DA005567

Reagent LOT/ID	Dilution	Consumables id
081219.R21		

Pathogens	Results
ASPERGILLUS_TERREUS_1J2	not present in 1 gram.
ASPERGILLUS_NIGER	not present in 1 gram.
ASPERGILLUS_FUMIGATUS	not present in 1 gram.
ASPERGILLUS_FLAVUS	not present in 1 gram.
SALMONELLA_SPECIFIC_GENE	not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP	not present in 1 gram.

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.





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SAMPLE:DA90813008-003

Sample is BELOW 0.3% THC
Ordered: 08/09/19 Sampled:08/09/19
Completed: 08/19/19 Expires: 08/19/20

Pesticide Analysis-Analysis Method:SOP.T.30.065, SOP.T.40.065

Reagent LOT/ID	Dilution	Consumables ID
	1	

Analytical Batch :DA005570

Reagent LOT/ID	Dilution	Consumables ID

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.065 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMS).

Heavy Metals Analysis-Analysis-Method:SOP.T.40.050, SOP.T.30.052

Reagent LOT/ID	Dilution	Consumables ID
	50	

Analytical Batch: DA005585

Reagent LOT/ID	Dilution	Consumables ID

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS.

Metal	Result	Action-Level
ARSENIC	ND	0.2
CADMIUM	ND	0.2
LEAD	ND	0.5
MERCURY	ND	0.1

Abbreviation:ppm=Parts Per Million

Residual SolventsAnalysis Method:SOP.T.40.032

Reagent LOT ID	Dilution	Consumables Id
	1	00268767 161040-1

Analytical Batch :DA005575

Reagent LOT ID	Dilution	Consumables Id
		24151940

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 34 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

Terpenes screening-Analysis-Method:SOP.T.40.090

Reagent LOT ID	Dilution	Consumables Id
081319.R07	10	180711

Analytical Batch :DA005564

Reagent LOT ID	Dilution	Consumables Id
		SFN-BX-1025

Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography - Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC-MS/MS.





PHARM CBD

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SAMPLE:DA90813008-004

Sample is BELOW 0.3% THC
Ordered: 08/09/19 Sampled:08/09/19
Completed: 08/19/19 Expires: 08/19/20

Image



Safety

Pesticides - Passed
Microbials - Passed
Mycotoxins - Passed
Heavy Metals - Passed
Terpenes - Tested
Residual-Solvents - Passed
Filtth - Passed
Water Activity - NOT Tested
Moisture - NOT Tested

Cannabinoids

Analyte	Weight(%)	mg/g
D9-THC	ND	ND
THCA	ND	ND
CBD	3.444	34.440
CBDA	ND	ND
CBN	0.036	0.360
CBDV	0.005	0.050
D8-THC	ND	ND
THCV	ND	ND
CBG	ND	ND
CBGA	ND	ND
CBC	ND	ND
TOTAL THC	ND	ND
TOTAL CBD	3.444	34.440

Cannabinoids

0.00% Total THC	3.444% Total CBD
0.00 mg THC/Container	1,033.20 mg CBD/Container





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SAMPLE:DA90813008-004

Sample is BELOW 0.3% THC
Ordered: 08/09/19 Sampled:08/09/19
Completed: 08/19/19 Expires: 08/19/20

Pesticides	LOQ	Action Level	Units	Result	Pesticides	LOQ	Action Level	Units	Result
DIMETHOATE	0.01	0.05	ppm	ND					
ABAMECTIN B1A	0.02	0.1	ppm	ND					
PENTACHLORONITROBENZENE	0.01	0.2	ppm	ND					
METHYL PARATHION	0.05	0.2	ppm	ND					
CYFLUTHRIN	0.05	1	ppm	ND					
CIS-PERMETHRIN	0.05	0.1	ppm	ND					
ACEPHATE	0.01	0.1	ppm	ND					
DIMETHOMORPH	0.005	0.05	ppm	ND					
ETHOPROPHOS	0.01	0.05	ppm	ND					
ACEQUINOCYL	0.05	0.1	ppm	ND					
ACETAMIPRID	0.01	0.05	ppm	ND					
ETOFENPROX	0.01	0.05	ppm	ND					
ALDICARB	0.02	0.05	ppm	ND					
ETOXAZOLE	0.01	0.05	ppm	ND					
AZOXYSTROBIN	0.01	0.05	ppm	ND					
FENHEXAMID	0.01	0.1	ppm	ND					
BIFENAZATE	0.01	0.1	ppm	ND					
FENOXICARB	0.01	0.05	ppm	ND					
FENPYROXIMATE	0.01	0.5	ppm	ND					
BIFENTHRIN	0.01	0.1	ppm	ND					
CARBARYL	0.01	0.1	ppm	ND					
FIPRONIL	0.02	0.05	ppm	ND					
FLONICAMID	0.01	0.4	ppm	ND					
CARBORURAN	0.01		ppm	ND					
CHLORANTRANILIPROLE	0.01		ppm	ND					
FLUDIOXONIL	0.01	0.1	ppm	ND					
HEXYTHIAZOX	0.01	0.25	ppm	ND					
CHLORFENAPYR	0.01	0.05	ppm	ND					
IMAZALIL	0.01	0.05	ppm	ND					
CHLORPYRIFOS	0.01	0.1	ppm	ND					
IMIDACLOPRID	0.01	0.1	ppm	ND					
CLOFENTEZINE	0.01	0.2	ppm	ND					
KRESOXIM-METHYL	0.01	0.1	ppm	ND					
					COUMAPHOS	0.005	0.05	ppm	ND
					MALATHION	0.01	0.05	ppm	ND
					CYPERMETHRIN	0.02	0.5	ppm	ND
					DAMINOZIDE	0.02	0.5	ppm	ND
					METALAXYL	0.01	0.05	ppm	ND
					DICHLORVOS	0.05	0.1	ppm	ND
					METHIOCARB	0.01	0.05	ppm	ND
					METHOMYL	0.01	0.1	ppm	ND
					DIAZANON	0.01	0.05	ppm	ND
					MEVINPHOS	0.01	0.05	ppm	ND
					MYCLOBUTANIL	0.01	0.1	ppm	ND
					NALED	0.01	0.25	ppm	ND
					OXAMYL	0.01	0.25	ppm	ND
					PACLOBUTRAZOL	0.01	0.05	ppm	ND
					TRANS-PERMETHRIN	0.05	0.1	ppm	ND
					PHOSMET	0.01	0.1	ppm	ND
					PIPERONYL BUTOXIDE	0.01	3	ppm	ND
					PRALLETHRIN	0.05	0.1	ppm	ND
					PROPOCINAZOLE	0.01	0.1	ppm	ND
					PROPOXUR	0.01	0.1	ppm	ND
					PYRETHRINS (PYRETHRIN I)	0.01	0.5	ppm	ND
					PYRIDABEN	0.01	0.2	ppm	ND
					SPINOSAD (SPINOSYN A)	0.01	0.1	ppm	ND
					SPINOSAD (SPINOSYN D)	0.01	0.1	ppm	ND
					SPIROMESIFEN	0.01	0.1	ppm	ND
					SPIROTETRAMAT	0.02	0.1	ppm	ND
					SPIROXAMINE	0.01	0.05	ppm	ND
					TEBUCONAZOLE	0.01	0.05	ppm	ND
					THIACLOPRID	0.01	0.05	ppm	ND
					THIAMETHOXAM	0.01	0.05	ppm	ND
					TRIFLOXYSTROBIN	0.01	0.1	ppm	ND

Jorge Segredo
Lab Director

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PHARM CBD

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KY, USA 40006
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eogburn@PHARM-CBD.COM



SAMPLE:DA90813008-004

Sample is BELOW 0.3% THC
Ordered: 08/09/19 Sampled:08/09/19
Completed: 08/19/19 Expires: 08/19/20

Residual solvent	Action Level(ppm)	Pass/Fail	Results(ppm)
1,2-DICHLOROETHANE	2	Pass	ND
1,1-DICHLOROETHENE	8	Pass	ND
1,4-DIOXANE		Pass	ND
2-BUTANOL		Pass	ND
2-ETHOXYETHANOL		Pass	ND
2-PROPANOL	500	Pass	ND
ACETONE	750	Pass	ND
ACETONITRILE	60	Pass	ND
BENZENE	1	Pass	ND
BUTANES (ISO-BUTANE)	2000	Pass	ND
BUTANES (N-BUTANE)	2000	Pass	ND
CHLOROFORM	2	Pass	ND
ETHANOL	5000	Pass	ND
ETHYL ACETATE	400	Pass	ND
CYCLOHEXANE		Pass	ND
DICHLOROMETHANE		Pass	ND
ETHYL ETHER	500	Pass	ND
ETHYLENE OXIDE	5	Pass	ND
ETHYLBENZENE		Pass	ND
HEPTANE	500	Pass	ND
HEXANES (2,2-DIMETHYLBUTANE)	60	Pass	ND
HEXANES (2,3-DIMETHYLBUTANE)	60	Pass	ND
HEXANES (2-METHYLPENTANE)	60	Pass	ND
HEXANES (3-METHYLPENTANE)	60	Pass	ND
ISOPROPYL ACETATE		Pass	ND
METHALENE CHLORIDE	125	Pass	ND
METHANOL	250	Pass	ND
N-HEXANE	60	Pass	ND
PENTANES (ISO-PENTANE)		Pass	ND
PENTANES (N-PENTANE)	750	Pass	ND
PENTANES (NEO-PENTANE)		Pass	ND
PROPANE	2100	Pass	ND
TETRAHYDROFURAN		Pass	ND
TOLUENE	150	Pass	ND
TOTAL XYLENES	150	Pass	ND
TRICHLOROETHYLENE	25	Pass	ND

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Lab Director

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SAMPLE:DA90813008-004

Sample is BELOW 0.3% THC
Ordered: 08/09/19 Sampled:08/09/19
Completed: 08/19/19 Expires: 08/19/20

Cannabinoid Profile Test Result-Analysis Method :SOP.T.40.020, SOP.T.30.050

Analytical Batch:DA005569

Reagent LOT ID	Dilution	Consumables Id	Reagent LOT ID	Dilution	Consumables Id
081319.R05	10	76124-662	081419.R23		923C4-923AK
081419.R14		SFN-BX-1025	081319.R03		910C6 - 910H

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L).

Filth and foreign Materials-Analysis Method :

Analytical Batch:DA005580

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is use for inspection.

Mycotoxin Analysis-Analysis Method :SOP.T.30.065, SOP.T.40.065

Analytical Batch:DA005571

Analyte	Results	Action Level
AFLATOXIN_G2	ND	0.02
AFLATOXIN_G1	ND	0.02
AFLATOXIN_B2	ND	0.02
AFLATOXIN_B1	ND	0.02
OCHRATOXIN_A	ND	0.02

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T40.065 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg.

Micro Analysis-Analysis method :SOP.T.40.043

Analytical Batch: DA005567

Reagent LOT/ID	Dilution	Consumables id
081219.R21		

Pathogens	Results
ASPERGILLUS_TERREUS_1J2	not present in 1 gram.
ASPERGILLUS_NIGER	not present in 1 gram.
ASPERGILLUS_FUMIGATUS	not present in 1 gram.
ASPERGILLUS_FLAVUS	not present in 1 gram.
SALMONELLA_SPECIFIC_GENE	not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP	not present in 1 gram.

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.





PHARM CBD

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SAMPLE:DA90813008-004

Sample is BELOW 0.3% THC
Ordered: 08/09/19 Sampled:08/09/19
Completed: 08/19/19 Expires: 08/19/20

Pesticide Analysis-Analysis Method:SOP.T.30.065, SOP.T.40.065

Reagent LOT/ID	Dilution	Consumables ID
	1	

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.065 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMS).

Heavy Metals Analysis-Analysis-Method:SOP.T.40.050, SOP.T.30.052

Reagent LOT/ID	Dilution	Consumables ID
	50	

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS.

Metal	Result	Action-Level
ARSENIC	ND	0.2
CADMIUM	ND	0.2
LEAD	ND	0.5
MERCURY	ND	0.1

Abbreviation:ppm=Parts Per Million

Residual SolventsAnalysis Method:SOP.T.40.032

Reagent LOT ID	Dilution	Consumables Id
	1	00268767 161040-1

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 34 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

Terpenes screening-Analysis-Method:SOP.T.40.090

Reagent LOT ID	Dilution	Consumables Id
081319.R07	10	180711

Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography - Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC-MS/MS.

Analytical Batch :DA005570

Reagent LOT/ID	Dilution	Consumables ID
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Analytical Batch: DA005585

Reagent LOT/ID	Dilution	Consumables ID
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Analytical Batch :DA005575

Reagent LOT ID	Dilution	Consumables Id
		24151940

Analytical Batch :DA005564

Reagent LOT ID	Dilution	Consumables Id
		SFN-BX-1025

