



Nature's Botanical Solutions

9825 NE 2nd Ave, Suite
530767 Miami
FL, United States 33153



SAMPLE:DA90108009-001

METRC/Biotrack#N/A Harvest/Lot ID: 1

Batch#: 1, Sample Size: N/A -grams

Ordered: 01/08/19 Sampled:01/08/19

Completed: 01/11/19 Expires: 01/11/20

Sampling Method: SOP Client Method

Image



Safety

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

Cannabinoids

Analyte	Weight(%)	mg/g
D9-THC	ND	ND
THCa	ND	ND
TOTAL THC	ND	ND
CBD	0.52	5.24
CBDa	ND	ND
TOTAL CBD	0.52	5.24
CBN	ND	ND
CBDV	ND	ND
D8-THC	0.01	0.11
THCV	0.1	1.04
CBG	ND	ND
CBGa	ND	ND
CBC	ND	ND
TOTAL CANNABINOIDS	0.63	6.39

Cannabinoids

0.00% Total THC	0.52% Total CBD
0.00mg THC/Container	301.3mg CBD/Container

ND	ND	0.52	ND	ND	ND	0.01		ND	ND	ND
D9-THC	THCa	CBD	CBDa	CBN	CBDV	D8-THC	THCV	CBG	CBGa	CBC



PAIN RELIEF CREAM 1
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Pesticides	LOQ	Action Level	Result	Units	Type
Daminozide	0.02	1	ND	ppm	Plant growth regulator
Acephate	0.01	0.4	ND	ppm	Insecticide
Flonicamid	0.01	1	ND	ppm	Pyridine Insecticide, Aphicide
Oxamyl	0.01	1	ND	ppm	Carbamate Insecticide, Acaricide, Nematicide
Methomyl	0.01	0.4	ND	ppm	Carbamate Insecticide, Acaricide, Metabolite
Thiamethoxam	0.01	0.2	ND	ppm	Neonicotinoid Insecticide
Imidacloprid	0.01	0.4	ND	ppm	Neonicotinoid Insecticide
Dimethoate	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide, Metabolite
Acetamiprid	0.01	0.2	ND	ppm	Insecticide
Thiacloprid	0.01	0.2	ND	ppm	Neonicotinoid Insecticide, Molluscicide
Aldicarb	0.02	0.4	ND	ppm	Insecticide, Nematicide
Dichlorvos	0.05	0.1	ND	ppm	Organophosphate Insecticide, Acaricide, Metabolite
Propoxur	0.01	0.2	ND	ppm	Carbamate Insecticide, Acaricide
Carbofuran	0.01	0.2	ND	ppm	Insecticide, Nematicide
Carbaryl	0.01	0.2	ND	ppm	Insecticide
Imazalil	0.01	0.2	ND	ppm	Imidazole Fungicide
Metalaxyl	0.01	0.2	ND	ppm	Phenylamide Fungicide
Chlorantraniliprole	0.01	0.2	ND	ppm	Insecticide
Phosmet	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide
Spiroxamine	0.01	0.4	ND	ppm	Morpholine Fungicide
Naled	0.01	0.5	ND	ppm	Organophosphate Insecticide, Acaricide
Methiocarb	0.01	0.2	ND	ppm	Carbamate Insecticide, Molluscicide, Bird repellent
Azoxystrobin	0.01	0.2	ND	ppm	Fungicide
Boscalid	0.01	0.4	ND	ppm	Fungicide
Paclobutrazol	0.01	0.4	ND	ppm	Triazole Plant growth regulator; Fungicide
Malathion	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide
Myclobutanil	0.01	0.2	ND	ppm	Triazole Fungicide
Bifenazate	0.01	0.2	ND	ppm	Insecticide
Spirotetramat	0.02	0.2	ND	ppm	Tetramic acid Insecticide
Ethoprophos	0.01	0.2	ND	ppm	Insecticide, Nematicide
Fenoxycarb	0.01	0.2	ND	ppm	Carbamate Insecticide
Kresoxim-methyl	0.01	0.4	ND	ppm	Strobilurin Fungicide, Bactericide
Tebuconazole	0.01	0.4	ND	ppm	Triazole Fungicide



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Pesticides	LOQ	Action Level	Result	Units	Type
Diazanone	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide, Repellent
Propiconazole	0.01	0.4	ND	ppm	Triazole Fungicide
Clofentezine	0.01	0.2	ND	ppm	Tetrazine Acaricide
Spinosad (Spinosyn A)	0.01	0.2	ND	ppm	Insecticide
Prallethrin	0.05	0.2	ND	ppm	Synthetic pyrethroid Insecticide
Trifloxystrobin	0.01	0.2	ND	ppm	Strobilurin Fungicide
Piperonyl butoxide	0.01	3	ND	ppm	Cyclic aromatic; Performance enhancer, Synergist
Chlorpyrifos	0.01	0.2	ND	ppm	Organophosphate Insecticide
Hexythiazox	0.01	1	ND	ppm	Carboxamide Acaricide
Etoxazole	0.01	0.2	ND	ppm	Diphenyl oxazoline Acaricide
Spiromesifen	0.01	0.2	ND	ppm	Tetronic acid Insecticide
Pyrethrins (Pyrethrin I)	0.01	1	ND	ppm	Insecticide
Fenpyroximate	0.01	0.4	ND	ppm	Pyrazolium Acaricide, Insecticide
Pyridaben	0.01	0.2	ND	ppm	Pyridazinone Insecticide, Acaricide
Permethrins	0.05	0.2	ND	ppm	Pyrethroid Insecticide
Abamectin B1a	0.02	0.5	ND	ppm	Insecticide
Etofenprox	0.01	0.4	ND	ppm	Pyrethroid Insecticide
Bifenthrin	0.01	0.2	ND	ppm	Acaricide, Insecticide
Fludioxonil	0.01	0.4	ND	ppm	Phenylpyrrole Fungicide
Fipronil	0.02	0.4	ND	ppm	Phenylpyrazole Insecticide
Cypermethrin	0.02	1	ND	ppm	Pyrethroid Insecticide, Veterinary substance
Mevinphos	0.01	0.1	ND	ppm	Organophosphate Insecticide, Acaricide
Dimethomorph	0.01	0.1	ND	ppm	Morpholine Fungicide
Fenhexamid	0.01	0.1	ND	ppm	Hydroxanilide Fungicide
Coumaphos	0.01	0.1	ND	ppm	Insecticide
Spinosad (Spinosyn D)	0.01	0.2	ND	ppm	Insecticide



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Residual solvent

Residual solvent	Action Level(ppm)	Pass/Fail	Results(ppm)
Hexanes (2,3-dimethylbutane)	290	Pass	ND
1,4-Dioxane	380	Pass	ND
Pentanes (iso-pentane)	5000	Pass	ND
Pentanes (neo-pentane)	5000	Pass	ND
Butanes (iso-butane)	5000	Pass	ND
2-Butanol	5000	Pass	ND
2-Ethoxyethanol	160	Pass	ND
2-Propanol	5000	Pass	ND
Acetone	5000	Pass	ND
Acetonitrile	410	Pass	ND
Benzene	2	Pass	ND
Butanes (n-butane)	5000	Pass	ND
Cyclohexane	3880	Pass	ND
Dichloromethane	600	Pass	ND
Hexanes (2,2-dimethylbutane)	290	Pass	ND
Xylenes-O (1,2-dimethylbenzene)	2170	Pass	ND
Xylenes-M (1,3-dimethylbenzene)	2170	Pass	ND
Xylenes-P (1,4-dimethylbenzene)	2170	Pass	ND
Ethanol	5000	Detected	8761.31
Ethyl acetate	5000	Pass	ND
Ethylbenzene	2170	Pass	ND
Ethyl ether	5000	Pass	ND
Ethylene Oxide	50	Pass	ND
Heptane	5000	Pass	ND
n-Hexane	290	Pass	ND
Isopropyl acetate	5000	Pass	ND
Methanol	3000	Detected	175.02
Hexanes (2-methylpentane)	290	Pass	ND
Hexanes (3-methylpentane)	290	Pass	ND
Pentanes (n-pentane)	5000	Pass	ND
Propane	5000	Pass	ND
Tetrahydrofuran	720	Pass	ND
Toluene	1068	Pass	ND
Xylenes	2170	Pass	ND



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

Reagent LOT ID

Dilution

1

Analytical Batch:DA000860

Consumables Id

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 :SOP.T.40.013

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-28/T Stereo Microscope is use for inspection.

Mycotoxin Analysis-Analysis MethodSOP.T.30.060, SOP.T.40.060

Analytical Batch:DA000876

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: DA000865

Pathogens

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

Reagent LOT/ID
010819.R13

Dilution
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).

Analytical Batch :DA000867

Consumables ID
280638308

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

Reagent LOT/ID

Dilution
50

Analytical Batch: DA000864

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	1.500
Cadmium	ND	0.500
Lead	ND	0.500
Mercury	ND	3

Abbreviation:ppm=Parts Per Million

Residual SolventsAnalysis Method:SOP.T.40.032

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).

Analytical Batch :DA000869

