



**Hemp&Heroes**

1200 West Avenue Miami Beach  
FL, 33139  
(917) 727-0777  
info@hempanheroes.com

Hemp&Heroes



**SAMPLE:DA90523006-001**

METRC/Biotrack#N/A **Harvest/Lot ID: 1**  
Batch#: 1, Sample Size: N/A -grams  
Ordered: 05/23/19 Sampled:05/23/19  
Completed: 05/30/19 Expires: 05/30/20  
Sampling Method: SOP Client Method

**Image**



**Safety**

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

**Cannabinoids**

Analyte	Weight(%)	mg/g
D9-THC	0.080	0.800
THCa	ND	ND
TOTAL THC	0.080	0.800
CBD	1.907	19.070
CBDa	ND	ND
TOTAL CBD	1.907	19.070
CBN	ND	ND
CBDV	0.022	0.220
D8-THC	ND	ND
THCV	ND	ND
CBG	0.086	0.860
CBGa	ND	ND
CBC	0.129	1.290
TOTAL CANNABINOIDS	2.223	22.240

**Cannabinoids**

<b>0.080%</b> Total THC	<b>1.907%</b> Total CBD
<b>23.04 mg</b> THC/Container	<b>551.48 mg</b> CBD/Container

0.080	ND	1.907	ND	ND	0.022	ND	ND	0.086	ND	0.129
D9-THC	THCa	CBD	CBDa	CBN	CBDV	D8-THC	THCV	CBG	CBGa	CBC



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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
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
Diazanone	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide, Repellent



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Pesticides	LOQ	Action Level	Result	Units	Type
Propiconazole	0.01	0.4	ND	ppm	Triazole Fungicide
Clofentezine	0.01	0.2	ND	ppm	Tetrazone 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
Coumaphos	0.01	0.2	ND	ppm	Insecticide
Spinosad (Spinosyn D)	0.01	0.2	ND	ppm	Insecticide

Jorge Segredo  
Lab Director

State License # n/a  
ISO Accreditation #  
97164



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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	1	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	Pass	ND
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	Pass	ND
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  
052219.R09  
052319.R10  
052219.R08  
052219.R07

Dilution  
10

**Analytical Batch:DA003514**

Consumables Id  
180711  
SFN-BX-1025  
849C4-849AK  
840C6-840H

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-2B/T Stereo Microscope is use for inspection.

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

**Analyte**

**Results**

Aflatoxin G2  
Aflatoxin G1  
Aflatoxin B2  
Aflatoxin B1  
Ochratoxin A+

ND  
ND  
ND  
ND  
ND

**Analytical Batch:DA003507**

**Action Level**

0.02  
0.02  
0.02  
0.02  
0.02

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T.40.065 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**

**Pathogens**

Aspergillus\_terreus\_1J2  
Aspergillus\_niger  
Aspergillus\_fumigatus  
Aspergillus\_flavus  
Salmonella\_specific\_gene  
Escherichia\_coli\_Shigella\_spp\_

**Results**

not present in 1 gram.  
not present in 1 gram.  
not present in 1 gram.  
not present in 1 gram.  
not present in 1 gram.  
not present in 1 gram.

**Analytical Batch: DA003509**

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
052119.R06	1

**Analytical Batch :DA003504**

Consumables ID  
180711  
280653964

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
051719.R03	50
052319.R02	
052119.R09	
040219.21	
052319.R03	
052319.R04	
050919.R23	
051319.R05	
052319.R05	
052319.R06	
052319.R07	
052319.R08	
051619.R03	
050819.01	

**Analytical Batch: DA003499**

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

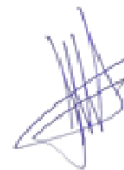
**Residual SolventsAnalysis Method:SOP.T.40.032**

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 :DA003501**



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