

Regulatory Compliance Testing

ANALYZED BY:

Anresco Laboratories 1375 Van Dyke Avenue, San Francisco, CA 94124 C8-0000052-LIC



DISTRIBUTOR:

Metta Medical LLC 1088 Howard St SAN FRANCISCO 94103 C12-0000071-LIC

CULTIVATOR / MANUFACTURER:

Metta Medical LLC 1088 Howard St SAN FRANCISCO 94103 C12-0000071-LIC

SAMPLE INFORMATION

Sample No.: **Sample Increments:** Sample Weight / Increment (g): Level - Spark Pod -SP200122P **Product Name:** 0.5 Total Sample Weight (g): 14 Matrix: Concentrate (Cartridge)

SP200122P **Date Collected:** 02/12/2020 Batch #: 02/12/2020 **Date Received:** Product-Batch Size (Units): 1138 **Date Reported:** 02/19/2020

TEST SUMMARY

Pass Residual Solvent Screen: Pass **Cannabinoid Profile:** Pass Microbiological Screen: **Heavy Metal Screen:** Pesticide Residue Screen: Pass Pass Other Analyses: Pass Pass Mycotoxin Screen: Overall:

CANNABINOID PROFILE Pass

Method:

Instrument:

MF12D012

Liquid Chromatography Diode Array Detector (LC-DAD)

Limit of Quantitation 1.0 mg/g **Limit of Detection** 0.4 mg/g

Analyte	mg/g	%	mg/package	Status
Δ8-ΤΗC	ND	ND	ND	-
Δ9-THC	775.7	77.57	387.9	-
Δ9-THCA	ND	ND	ND	-
THCV	7.7	0.77	3.9	-
THCVA	ND	ND	ND	-
CBD	37.8	3.78	18.9	-
CBDA	ND	ND	ND	-
CBC	14.2	1.42	7.1	-
CBCA	ND	ND	ND	-
CBDV	ND	ND	ND	-
CBG	22.6	2.26	11.3	-
CBGA	ND	ND	ND	-
CBN	21.0	2.1	10.5	-
Total THC	775.7	77.57	387.9	Pass
Total CBD	37.8	3.78	18.9	-
Total Cannabinoids	879.0	87.9	439.5	-
Total Active Cannabinoids	879.0	87.9	439.5	-

MICROBIOLOGICAL SCREEN Pass

02/19/2020

02/19/2020

Analysis	Method	Finding	Limit	Status
Salmonella	AOAC 2016.01	Negative/1g	ND in 1g	Pass
STEC	3M MDS STEC/EAE	Negative/1g	ND in 1g	Pass
Aspergillus Fumigatus	Aspergillus Differentiation Agar	Negative/1g	ND in 1g	Pass
Aspergillus Flavus	Aspergillus Differentiation Agar	Negative/1g	ND in 1g	Pass
Aspergillus Niger	Aspergillus Differentiation Agar	Negative/1g	ND in 1g	Pass
Aspergillus Terreus	Aspergillus Differentiation Agar	Negative/1g	ND in 1g	Pass

PESTICIDE RESIDUE SCREEN

02/19/2020

MF 21P030 Method:

Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

Abamectin 0.04/0.10 ND 0.1 Pass Acephate 0.04/0.10 ND 0.1 Pass Acequinocyl 0.04/0.10 ND 0.1 Pass Acetamiprid 0.04/0.10 ND 0.1 Pass Aldicarb 0.04/0.10 ND 0.04 Pass Azoxystrobin 0.04/0.10 ND 0.1 Pass Bifenazate 0.04/0.10 <loq< td=""> 0.1 Pass Bifenthrin 0.20/0.50 ND 3.0 Pass</loq<>	Analyte	LOD / LOQ (µg/g)	Finding (µg/g)	Limit (µg/g)	Status
Acequinocyl 0.04/0.10 ND 0.1 Pass Acetamiprid 0.04/0.10 ND 0.1 Pass Aldicarb 0.04/0.10 ND 0.04 Pass Azoxystrobin 0.04/0.10 ND 0.1 Pass Bifenazate 0.04/0.10 <loq< td=""> 0.1 Pass Bifenthrin 0.20/0.50 ND 3.0 Pass</loq<>	Abamectin	0.04/0.10	ND	0.1	Pass
Acetamiprid 0.04/0.10 ND 0.1 Pass Aldicarb 0.04/0.10 ND 0.04 Pass Azoxystrobin 0.04/0.10 ND 0.1 Pass Bifenazate 0.04/0.10 <loq< td=""> 0.1 Pass Bifenthrin 0.20/0.50 ND 3.0 Pass</loq<>	Acephate	0.04/0.10	ND	0.1	Pass
Aldicarb 0.04/0.10 ND 0.04 Pass Azoxystrobin 0.04/0.10 ND 0.1 Pass Bifenazate 0.04/0.10 <loq< td=""> 0.1 Pass Bifenthrin 0.20/0.50 ND 3.0 Pass</loq<>	Acequinocyl	0.04/0.10	ND	0.1	Pass
Azoxystrobin 0.04/0.10 ND 0.1 Pass Bifenazate 0.04/0.10 <loq< td=""> 0.1 Pass Bifenthrin 0.20/0.50 ND 3.0 Pass</loq<>	Acetamiprid	0.04/0.10	ND	0.1	Pass
Bifenazate 0.04/0.10 <loq< th=""> 0.1 Pass Bifenthrin 0.20/0.50 ND 3.0 Pass</loq<>	Aldicarb	0.04/0.10	ND	0.04	Pass
Bifenthrin 0.20/0.50 ND 3.0 Pass	Azoxystrobin	0.04/0.10	ND	0.1	Pass
	Bifenazate	0.04/0.10	<loq< td=""><td>0.1</td><td>Pass</td></loq<>	0.1	Pass
	Bifenthrin	0.20/0.50	ND	3.0	Pass
Boscalid 0.04/0.10 ND 0.1 Pass	Boscalid	0.04/0.10	ND	0.1	Pass

Anresco Laboratories www.anresco.com 1375 Van Dyke Ave, San Francisco, CA 94124

Sample #: 1044116 Batch #: SP200122P

Tel: 415 822 1100 Fax: 415 822 6615



Regulatory Compliance Testing

Carbaryl 0,20 Carbofuran 0.04 Chlorantraniliprole 0.04 Chlordane 0,04 Chlorfenapyr 0.04 Chlorpyrifos 0.04 Clofentezine 0.04 Coumaphos 0.04 Cyfluthrin 0.70 Cypermethrin 0.35 Daminozide 0.04 DDVP (Dichlorvous) 0.04 Diazinon 0.04 Dimethoate 0.04 Dimethomorph 0.04 Ethoprop(hos) 0.04 Etofenprox 0.04	070.50 470.10	ND N	0.5 0.04 10.0 0.04 0.04 0.1 0.04 2.0 1.0 0.04 0.1 0.04 2.0 0.04 0.1 0.04 0.1 0.04 0.1 0.04 0.1 0.04 0.1 0.04	Pass Pass Pass Pass Pass Pass Pass Pass
Carbofuran 0.04/ Chlorantraniliprole 0.04/ Chlordane 0.04/ Chlorfenapyr 0.04/ Chlorpyrifos 0.04/ Clofentezine 0.04/ Coumaphos 0.04/ Cyfluthrin 0.70/ Cypermethrin 0.35/ Daminozide 0.04/ DDVP (Dichlorvous) 0.04/ Diazinon 0.04/ Dimethoate 0.04/ Dimethomorph 0.04/ Ethoprop(hos) 0.04/ Etofenprox 0.04/	4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 0/2.00 5/1.00 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10	ND N	0.04 10.0 0.04 0.04 0.04 0.1 0.004 2.0 1.0 0.04 0.04 0.01 0.04 0.1 0.04 0.1 0.04 2.0 0.04 0.1 0.04 0.1 0.01	Pass Pass Pass Pass Pass Pass Pass Pass
Carbofuran 0.04/ Chlorantraniliprole 0.04/ Chlordane 0.04/ Chlorfenapyr 0.04/ Chlorpyrifos 0.04/ Clofentezine 0.04/ Coumaphos 0.04/ Cyfluthrin 0.70/ Cypermethrin 0.35/ Daminozide 0.04/ DDVP (Dichlorvous) 0.04/ Diazinon 0.04/ Dimethoate 0.04/ Dimethomorph 0.04/ Ethoprop(hos) 0.04/ Etofenprox 0.04/	4/0.10 4/0.10	ND N	0.04 10.0 0.04 0.04 0.04 0.1 0.004 2.0 1.0 0.04 0.04 0.01 0.04 0.1 0.04 0.1 0.04 2.0 0.04 0.1 0.04 0.1 0.01	Pass Pass Pass Pass Pass Pass Pass Pass
Chlorantraniliprole 0.04/2 Chlordane 0.04/2 Chlorfenapyr 0.04/2 Chlorpyrifos 0.04/2 Clofentezine 0.04/2 Coumaphos 0.04/2 Cyfluthrin 0.70/2 Cypermethrin 0.35/2 Daminozide 0.04/2 DDVP (Dichlorvous) 0.04/2 Diazinon 0.04/2 Dimethoate 0.04/2 Dimethomorph 0.04/2 Ethoprop(hos) 0.04/2 Etofenprox 0.04/2	4/0.10 4/0.10	ND N	10.0 0.04 0.04 0.04 0.1 0.09 1.0 0.04 0.04 0.04 0.1 0.04 0.04 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004 0.004	Pass Pass Pass Pass Pass Pass Pass Pass
Chlordane 0.04/2 Chlorfenapyr 0.04/2 Chlorpyrifos 0.04/2 Clofentezine 0.04/2 Coumaphos 0.04/2 Cyfluthrin 0.70/2 Cypermethrin 0.35/2 Daminozide 0.04/2 DDVP (Dichlorvous) 0.04/2 Diazinon 0.04/2 Dimethoate 0.04/2 Dimethomorph 0.04/2 Ethoprop(hos) 0.04/2 Etofenprox 0.04/2	4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 5/1.00 5/1.00 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10	ND N	0.04 0.04 0.04 0.1 0.04 2.0 1.0 0.04 0.1 0.04 2.0 0.04 0.1 0.04 2.0 0.04	Pass Pass Pass Pass Pass Pass Pass Pass
Chlorfenapyr 0.04x Chlorpyrifos 0.04x Clofentezine 0.04x Coumaphos 0.04x Cyfluthrin 0.70x Cypermethrin 0.35x Daminozide 0.04x DDVP (Dichlorvous) 0.04x Diazinon 0.04x Dimethoate 0.04x Dimethomorph 0.04x Ethoprop(hos) 0.04x Etofenprox 0.04x	4/0.10 4/0.10 4/0.10 5/1.00 5/1.00 5/1.00 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10	ND N	0.04 0.04 0.1 0.04 2.0 1.0 0.04 0.04 0.1 0.04 2.0 0.04 0.1 0.04 2.0 0.04	Pass Pass Pass Pass Pass Pass Pass Pass
Chlorpyrifos 0.04/2 Clofentezine 0.04/2 Coumaphos 0.04/2 Cyfluthrin 0.70/2 Cypermethrin 0.35/2 Daminozide 0.04/2 DDVP (Dichlorvous) 0.04/2 Diazinon 0.04/2 Dimethoate 0.04/2 Dimethomorph 0.04/2 Ethoprop(hos) 0.04/2 Etofenprox 0.04/2	4/0.10 4/0.10 4/0.10 0/2.00 5/1.00 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10	ND N	0.04 0.1 0.04 2.0 1.0 0.04 0.04 0.1 0.04 2.0 0.04 2.0 0.04 2.0 0.04	Pass Pass Pass Pass Pass Pass Pass Pass
Clofentezine 0.04/ Coumaphos 0.04/ Cyfluthrin 0.70/ Cypermethrin 0.35/ Daminozide 0.04/ DDVP (Dichlorvous) 0.04/ Diazinon 0.04/ Dimethoate 0.04/ Dimethomorph 0.04/ Ethoprop(hos) 0.04/ Etofenprox 0.04/	4/0.10 4/0.10 5/1.00 5/1.00 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10	ND N	0.1 0.04 2.0 1.0 0.04 0.1 0.04 0.1 0.04 0.04 0.1 0.04	Pass Pass Pass Pass Pass Pass Pass Pass
Coumaphos 0.04/2 Cyfluthrin 0.70/2 Cypermethrin 0.35/2 Daminozide 0.04/2 DDVP (Dichlorvous) 0.04/2 Diazinon 0.04/2 Dimethoate 0.04/2 Dimethomorph 0.04/2 Ethoprop(hos) 0.04/2 Etofenprox 0.04/2	4/0.10 //2.00 5/1.00 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10	ND N	0.04 2.0 1.0 0.04 0.04 0.1 0.04 0.04 0.04 0.04 0.1	Pass Pass Pass Pass Pass Pass Pass Pass
Cyfluthrin 0.70/ Cypermethrin 0.35/ Daminozide 0.04/ DDVP (Dichlorvous) 0.04/ Diazinon 0.04/ Dimethoate 0.04/ Dimethomorph 0.04/ Ethoprop(hos) 0.04/ Etofenprox 0.04/	0/2.00 6/1.00 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10	ND N	2.0 1.0 0.04 0.04 0.1 0.04 2.0 0.04 0.04 0.1 0.1	Pass Pass Pass Pass Pass Pass Pass Pass
Cypermethrin 0.35/2 Daminozide 0.04/2 DDVP (Dichlorvous) 0.04/2 Diazinon 0.04/2 Dimethoate 0.04/2 Dimethomorph 0.04/2 Ethoprop(hos) 0.04/2 Etofenprox 0.04/2	5/1.00 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10	ND N	1.0 0.04 0.04 0.1 0.04 2.0 0.04 0.04 0.1	Pass Pass Pass Pass Pass Pass Pass Pass
Daminozide 0.04/2 DDVP (Dichlorvous) 0.04/2 Diazinon 0.04/2 Dimethoate 0.04/2 Dimethomorph 0.04/2 Ethoprop(hos) 0.04/2 Etofenprox 0.04/2	4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10	ND N	0.04 0.04 0.1 0.04 2.0 0.04 0.04 0.1	Pass Pass Pass Pass Pass Pass Pass Pass
DDVP (Dichlorvous) 0.04/2 Diazinon 0.04/2 Dimethoate 0.04/2 Dimethomorph 0.04/2 Ethoprop(hos) 0.04/2 Etofenprox 0.04/2	4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10	ND	0.04 0.1 0.04 2.0 0.04 0.04 0.1	Pass Pass Pass Pass Pass Pass Pass Pass
Diazinon 0.04/ Dimethoate 0.04/ Dimethomorph 0.04/ Ethoprop(hos) 0.04/ Etofenprox 0.04/	4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10	ND	0.1 0.04 2.0 0.04 0.04 0.1	Pass Pass Pass Pass Pass Pass Pass
Dimethoate 0.04x Dimethomorph 0.04x Ethoprop(hos) 0.04x Etofenprox 0.04x	4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10	ND ND ND ND ND ND ND ND ND	0.04 2.0 0.04 0.04 0.1	Pass Pass Pass Pass Pass
Dimethomorph 0.04z Ethoprop(hos) 0.04z Etofenprox 0.04z	4/0.10 4/0.10 4/0.10 4/0.10 4/0.10 4/0.10	ND ND ND ND ND ND	2.0 0.04 0.04 0.1 0.1	Pass Pass Pass Pass
Ethoprop(hos) 0.04/ Etofenprox 0.04/	4/0.10 4/0.10 4/0.10 4/0.10 4/0.10	ND ND ND ND	0.04 0.04 0.1 0.1	Pass Pass Pass
Etofenprox 0.04/	4/0.10 4/0.10 4/0.10 4/0.10 4/0.10	ND ND ND	0.04 0.1 0.1	Pass Pass
	4/0.10 4/0.10 4/0.10 4/0.10	ND ND	0.1 0.1	Pass
H10737019 0.001	4/0.10 4/0.10 4/0.10	ND	0.1	
	4/0.10 4/0.10			
	4/0.10	ND		Pass
•				Pass
	4/0.10			Pass
•				Pass
Flonicamid 0.04/	4/0.10	ND	0.1	Pass
Fludioxanil 0.04/	4/0.10	ND	0.1	Pass
Hexythiazox 0.04/	4/0.10	ND	0.1	Pass
Imazalil 0.04/	4/0.10	ND	0.04	Pass
Imidacloprid 0.04/	4/0.10	ND	5.0	Pass
Kresoxim Methyl 0.04/	4/0.10	ND	0.1	Pass
Malathion 0.20	0/0.50	ND	0.5	Pass
Metalaxyl 0.04/	4/0.10	ND	2.0	Pass
				Pass
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•				Pass
Spirotetramat 0.04				Pass
				Pass
Tebuconazole 0.04	4/0.10	ND	0.1	Pass
Thiaclorprid 0.04	4/0.10	ND	0.04	Pass
Thiamethoxam 0.35/	5/1.00	ND	5.0	Pass
				Pass

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Sample #: 1044116 Batch #: SP200122P



Regulatory Compliance Testing

02/19/2020 **RESIDUAL SOLVENT SCREEN** Pass

Method: USP OVI<467>

Instrument: Gas Chromatography Mass Spectrometry (GC/MS)

Analyte	LOD / LOQ (µg/g)	Finding (µg/g)	Limit (µg/g)	Status
1,2-Dichloroethane	0.40/1.00	ND	1.0	Pass
Acetone	17/75	ND	5000	Pass
Acetonitrile	1/6	ND	410	Pass
Benzene	0.40/1.00	ND	1.0	Pass
n-Butane	200/600	ND	5000	Pass
Chloroform	0.40/1.00	ND	1.0	Pass
Ethanol	22/100	ND	5000	Pass
Ethyl Acetate	9/40	ND	5000	Pass
Ethyl Ether	11/50	ND	5000	Pass
Ethylene Oxide	0.40/1.00	ND	1.0	Pass
n-Heptane	11/50	ND	5000	Pass
n-Hexane	1/5	<loq< td=""><td>290</td><td>Pass</td></loq<>	290	Pass
Isopropyl Alcohol	11/50	ND	5000	Pass
Methanol	6/25	ND	3000	Pass
Methylene Chloride	0.40/1.00	ND	1.0	Pass
n-Pentane	17/75	ND	5000	Pass
Propane	125/250	ND	5000	Pass
Toluene	3/15	ND	890	Pass
Total Xylenes	1/3	ND	2170	Pass
Trichloroethylene	0.40/1.00	ND	1.0	Pass

02/19/2020 **HEAVY METAL SCREEN** Pass

Method: MF 24E020 Instrument: ICP-MS

Analyte LOD / LOQ (µg/g) Finding (µg/g) Limit (µg/g) Status Arsenic 0.02/0.05 ND 0.2 Pass Cadmium 0.02/0.05 ND 0.2 Pass 0.02/0.05 ND 0.1 0.02/0.05 ND Lead Pass

02/19/2020 **MYCOTOXIN SCREEN** Pass

Method: MF 21P030

Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

Analyte	LOD / LOQ (µg/kg)	Finding (µg/kg)	Limit (µg/kg)	Status
Aflatoxin B1	1/5	ND	-	-
Afalatoxin B2	1/5	ND	-	-
Aflatoxin G1	1/5	ND	-	-
Aflatoxin G2	1/5	ND	-	-
Total Aflatoxins	10/20	ND	20	Pass
Ochratoxin A	10/20	ND	20	Pass

OTHER ANALYSES Pass

Analyte	Method	Instrument	Finding	Date Completed	Limit	Status
Sand, Soils, Cinders, and Dirt	Visual	n/a	0	02/13/2020	25 %	Pass
Mold	Visual	n/a	0	02/13/2020	25 %	Pass
Imbedded Foreign Material	Visual	n/a	0	02/13/2020	25 %	Pass
Insect Fragment	Visual	n/a	0	02/13/2020	1	Pass
Hair	Visual	n/a	0	02/13/2020	1	Pass
Mammalian Excreta	Visual	n/a	0	02/13/2020	1	Pass

(-) = Not Tested, ND = None Detected, <LOQ = Below Limit of Quantitation, LOD = Limit of Detection

All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13)

Reported by

February 19, 2020



Scan to verify

Anresco Laboratories www.anresco.com 1375 Van Dyke Ave, San Francisco, CA 94124 Sample #: 1044116 Batch #: SP200122P

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