

EM-NANO-1

Sample ID: 1903CSALA2183.7610
Strain: EM-NANO-1
Matrix: Concentrates & Extracts
Type: Other
Sample Size: 1 units; Batch:

Produced: N/A
Collected: 03/26/2019
Received: 03/26/2019
Completed: 04/03/2019
Batch#:

Client:
Earth Medicine Corp.
Lic. #
 703 Pier Avenue, Suite B631
 Hermosa Beach, CA 90254



Summary

Pass

233.45 mg/g Total Cannabinoids	Pass Pesticides	Pass Residual Solvents
Pass Microbials	Not Tested Mycotoxins	Pass Heavy Metals

Cannabinoids

Complete

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Mass	Mass
	mg/g	mg/g	mg/g	%
THCa	0.00022	0.0010	ND	ND
Δ9-THC	0.00042	0.0010	ND	ND
Δ8-THC	0.00042	0.0010	ND	ND
THCV	0.00039	0.0010	ND	ND
CBDa	0.00020	0.0010	ND	ND
CBD	0.00037	0.0010	230.97	23.097
CBDV	0.00010	0.0010	2.48	0.248
CBN	0.00016	0.0010	ND	ND
CBGa	0.00020	0.0010	ND	ND
CBG	0.00037	0.0010	ND	ND
CBC	0.00014	0.0010	ND	ND
Total			233.45	23.345

ND
Total THC

230.97 mg/g
Total CBD

Terpenes

Not Tested

Testing method: HS-GC-FID - SOP 201

Analyte	LOD	LOQ	Mass	Mass
---------	-----	-----	------	------

Date Tested: 04/03/2019

Total THC = THCa * 0.877 + d9-THC

Total CBD = CBDa * 0.877 + CBD

LOQ = Limit of Quantitation; LOD = Limit of Detection; NR = Not Reported; NT = Not Tested; ND = Not Detected. The reported result is based on a sample weight with the applicable moisture content for that sample;

NT Moisture Moisture Analyzer SOP-103 Date Tested:	NT Water Activity Water Activity Meter SOP-102 Date Tested:	Not Tested Foreign Matter Visual Inspection SOP-001 Date Tested:
--	---	--


 ISO / IEC 17025:2017 ACCREDITED LABORATORY
 Accreditation No. 73653



 Mallory Speakman
 Laboratory Director - LA
 04/03/2019



 Anya Engen
 Quality Manager
 04/03/2019


EM-NANO-1

Sample ID: 1903CSALA2183.7610
Strain: EM-NANO-1
Matrix: Concentrates & Extracts
Type: Other
Sample Size: 1 units; Batch:

Produced: N/A
Collected: 03/26/2019
Received: 03/26/2019
Completed: 04/03/2019
Batch#:

Client
Earth Medicine Corp.
Lic. #
 703 Pier Avenue, Suite B631
 Hermosa Beach, CA 90254

Pesticides

Test Method: LCMS & GCMS-SOP 301

Pass

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.018	0.059	0.1	ND	Pass	Fludioxonil	0.007	0.024	0.1	ND	Pass
Acephate	0.009	0.029	0.1	ND	Pass	Hexythiazox	0.007	0.024	0.1	ND	Pass
Acequinocyl	0.005	0.018	0.1	ND	Pass	Imazalil	0.004	0.012	0.004	ND	Pass
Acetamiprid	0.004	0.013	0.1	ND	Pass	Imidacloprid	0.039	0.129	5	ND	Pass
Aldicarb	0.004	0.013	0.004	ND	Pass	Kresoxim Methyl	0.005	0.017	0.1	ND	Pass
Azoxystrobin	0.006	0.019	0.1	ND	Pass	Malathion	0.01	0.032	0.5	ND	Pass
Bifenazate	0.004	0.014	0.1	ND	Pass	Metalaxyl	0.003	0.01	2	ND	Pass
Bifenthrin	0.008	0.027	3	ND	Pass	Methiocarb	0.006	0.02	0.006	ND	Pass
Boscalid	0.006	0.019	0.1	ND	Pass	Methomyl	0.009	0.03	1	ND	Pass
Captan	0.0789	0.2631	0.7	ND	Pass	Methyl Parathion	0.007	0.0233	0.007	ND	Pass
Carbaryl	0.005	0.015	0.5	ND	Pass	Mevinphos	0.003	0.011	0.003	ND	Pass
Carbofuran	0.005	0.018	0.005	ND	Pass	Myclobutanil	0.017	0.058	0.1	ND	Pass
Chlorantraniliprole	0.007	0.024	10	ND	Pass	Naled	0.007	0.024	0.1	ND	Pass
Chlordane	0.0291	0.0969	0.0291	ND	Pass	Oxamyl	0.003	0.009	0.5	ND	Pass
Chlorfenapyr	0.01	0.033	0.01	ND	Pass	Pacllobutrazol	0.013	0.044	0.013	ND	Pass
Chlorpyrifos	0.005	0.017	0.005	ND	Pass	Pentachloronitrobenzene	0.0046	0.0152	0.1	ND	Pass
Clofentezine	0.006	0.019	0.1	ND	Pass	Permethrin	0.011	0.036	0.5	ND	Pass
Coumaphos	0.009	0.028	0.009	ND	Pass	Phosmet	0.007	0.025	0.1	ND	Pass
Cyfluthrin	0.008	0.026	2	ND	Pass	Piperonyl Butoxide	0.005	0.018	3	ND	Pass
Cypermethrin	0.013	0.044	1	ND	Pass	Prallethrin	0.007	0.024	0.1	ND	Pass
Daminozide	0.021	0.07	0.021	ND	Pass	Propiconazole	0.008	0.026	0.1	ND	Pass
DDVP	0.004	0.012	0.004	ND	Pass	Propoxur	0.004	0.013	0.004	ND	Pass
Diazinon	0.005	0.017	0.1	ND	Pass	Pyrethrins	0.003	0.01	0.5	ND	Pass
Dimethoate	0.003	0.011	0.003	ND	Pass	Pyridaben	0.008	0.027	0.1	ND	Pass
Dimethomorph	0.007	0.023	2	ND	Pass	Spinetoram	0.007	0.022	0.1	ND	Pass
Ethoprophos	0.004	0.013	0.004	ND	Pass	Spinosad	0.005	0.016	0.1	ND	Pass
Etofenprox	0.005	0.017	0.005	ND	Pass	Spiromesifen	0.007	0.023	0.1	ND	Pass
Etoazole	0.006	0.018	0.1	ND	Pass	Spirotetramat	0.009	0.03	0.1	ND	Pass
Fenhexamid	0.009	0.03	0.1	ND	Pass	Spiroxamine	0.006	0.019	0.006	ND	Pass
Fenoxycarb	0.007	0.022	0.007	ND	Pass	Tebuconazole	0.013	0.042	0.1	ND	Pass
Fenpyroximate	0.009	0.03	0.1	ND	Pass	Thiacloprid	0.007	0.023	0.007	ND	Pass
Fipronil	0.017	0.056	0.017	ND	Pass	Thiamethoxam	0.004	0.013	5	ND	Pass
Flonicamid	0.0244	0.0814	0.1	ND	Pass	Trifloxystrobin	0.004	0.014	0.1	ND	Pass

Date Tested: 04/02/2019

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.


 ISO / IEC 17025:2017 ACCREDITED LABORATORY
 Accreditation No. 73653

 Mallory Speakman
 Laboratory Director - LA
 04/03/2019

 Anya Engen
 Quality Manager
 04/03/2019


EM-NANO-1

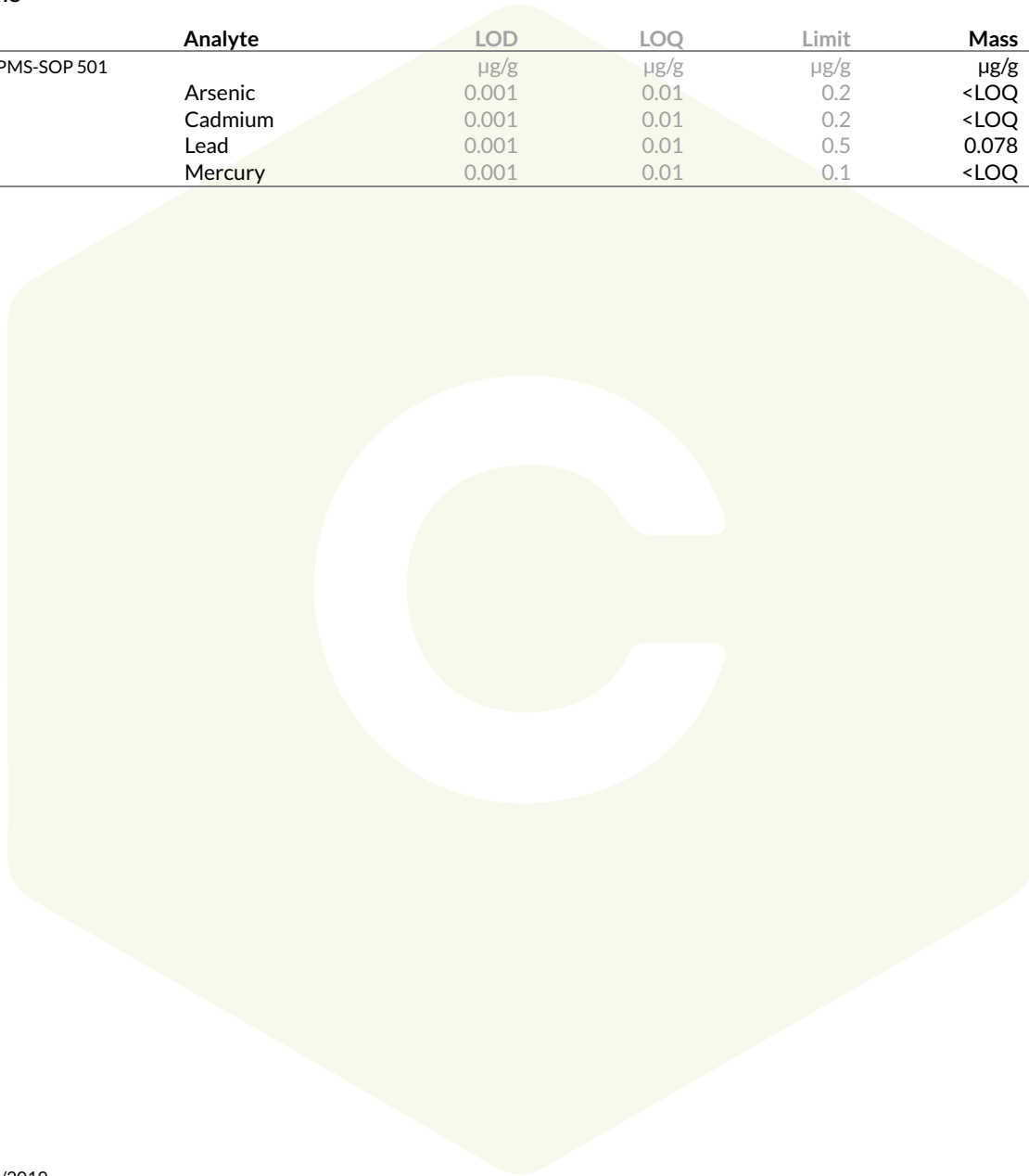
Sample ID: 1903CSALA2183.7610
Strain: EM-NANO-1
Matrix: Concentrates & Extracts
Type: Other
Sample Size: 1 units; Batch:

Produced: N/A
Collected: 03/26/2019
Received: 03/26/2019
Completed: 04/03/2019
Batch#:

Client
Earth Medicine Corp.
Lic. #
 703 Pier Avenue, Suite B631
 Hermosa Beach, CA 90254

Heavy Metals

	Analyte	LOD	LOQ	Limit	Mass	Status
Testing method: ICPMS-SOP 501		µg/g	µg/g	µg/g	µg/g	
	Arsenic	0.001	0.01	0.2	<LOQ	Pass
	Cadmium	0.001	0.01	0.2	<LOQ	Pass
	Lead	0.001	0.01	0.5	0.078	Pass
	Mercury	0.001	0.01	0.1	<LOQ	Pass



Date Tested: 03/31/2019
 LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.



ISO / IEC 17025:2017 ACCREDITED LABORATORY
 Accreditation No. 73653

Mallory Speakman
 Laboratory Director - LA
 04/03/2019

Anya Engen
 Quality Manager
 04/03/2019



EM-NANO-1

Sample ID: 1903CSALA2183.7610
Strain: EM-NANO-1
Matrix: Concentrates & Extracts
Type: Other
Sample Size: 1 units; Batch:

Produced: N/A
Collected: 03/26/2019
Received: 03/26/2019
Completed: 04/03/2019
Batch#:

Client
Earth Medicine Corp.
Lic. #
 703 Pier Avenue, Suite B631
 Hermosa Beach, CA 90254

Microbials

	Analyte	Presence	Status
Test method: PCR-SOP 401	Aspergillus flavus	Not Detected	Pass
	Aspergillus fumigatus	Not Detected	Pass
	Aspergillus niger	Not Detected	Pass
	Aspergillus terreus	Not Detected	Pass
	Shiga toxin-producing E. Coli	Not Detected	Pass
	Salmonella	Not Detected	Pass

Date Tested: 04/01/2019
 LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.



ISO / IEC 17025:2017 ACCREDITED LABORATORY
 Accreditation No. 73653



Mallory Speakman
 Laboratory Director - LA
 04/03/2019



Anya Engen
 Quality Manager
 04/03/2019



EM-NANO-1

Sample ID: 1903CSALA2183.7610
Strain: EM-NANO-1
Matrix: Concentrates & Extracts
Type: Other
Sample Size: 1 units; Batch:

Produced: N/A
Collected: 03/26/2019
Received: 03/26/2019
Completed: 04/03/2019
Batch#:

Client
Earth Medicine Corp.
Lic. #
 703 Pier Avenue, Suite B631
 Hermosa Beach, CA 90254

Residual Solvents

Testing method: HSGCMS-SOP 202

Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	0.024	0.24	1	ND	Pass
Acetone	0.112	1.12	5000	ND	Pass
Acetonitrile	0.0196	0.196	410	ND	Pass
Benzene	0.0096	0.096	1	ND	Pass
Butane	0.2	2	5000	ND	Pass
Chloroform	0.0288	0.288	1	ND	Pass
Ethanol	0.112	1.12	5000	ND	Pass
Ethyl-Acetate	0.112	1.12	5000	ND	Pass
Ethyl-Ether	0.112	1.12	5000	ND	Pass
Ethylene Oxide	0.024	0.24	1	ND	Pass
Heptane	0.112	1.12	5000	ND	Pass
Isopropanol	0.112	1.12	5000	ND	Pass
Methanol	0.144	1.44	3000	ND	Pass
Methylene-Chloride	0.0288	0.288	1	ND	Pass
n-Hexane	0.1392	1.392	290	ND	Pass
Pentane	0.112	1.12	5000	ND	Pass
Propane	0.08	0.8	5000	ND	Pass
Toluene	0.4272	4.272	890	ND	Pass
Trichloroethene	0.0384	0.384	1	ND	Pass
Xylenes	1.0416	10.416	2170	ND	Pass

Date Tested: 04/01/2019

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.


 ISO / IEC 17025:2017 ACCREDITED LABORATORY
 Accreditation No. 73653

 Mallory Speakman
 Laboratory Director - LA
 04/03/2019

 Anya Engen
 Quality Manager
 04/03/2019
