



CERTIFICATE OF ANALYSIS

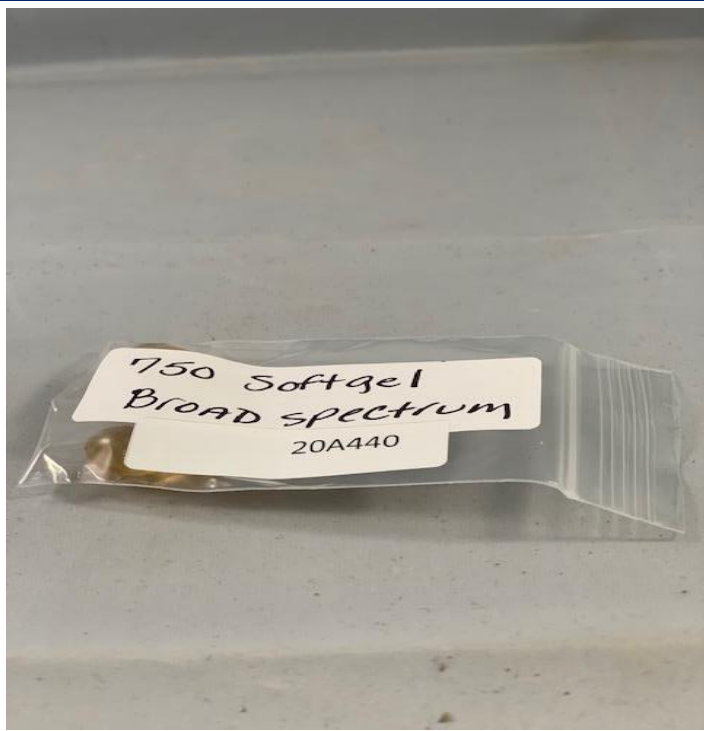
Report Status: **RELEASED**Report Date: **06/05/2020**Sante Sample ID: **20A440**

Page 1 of 2

Company Name: Lama Herbal Solutions Phone Number: 513-557-8355	Contact Name: Laura McCarthy Contact Email: Lamaherbalsolutions@gmail.com Purchase Order Number: NA
Sample Name: 750 mg Softgel Sample Lot Number: SG25-7332 Sample Received: 06/01/2020	Sample/Product Description: Softgels In Plastic Bags Sample/Product Type: CBD Isolate Sample Matrix: Oil In Softgel

ANALYSIS	TEST METHOD	LOQ	SPECIFICATIONS	RESULTS	PASS/NO PASS
Cannabinoids Screen					
CBD	UHPLC-DAD	0.002 w/w%	w/w%: Report Only	6.009 w/w%	Results Reported
			mg/g: Report Only	60.092 mg/g	Results Reported
			mg/Unit: Report Only	36.987 mg/Unit	Results Reported
CBDa		0.002 w/w%	w/w%: Report Only mg/g: Report Only	ND ND	N/A
Δ9-THC		0.002 w/w%	w/w%: NMT 0.3	ND	PASS
			mg/g: NMT 3	ND	PASS
THCa		0.002 w/w%	w/w%: Report Only mg/g: Report Only	ND ND	N/A
CBGa		0.002 w/w%	w/w%: Report Only mg/g: Report Only	ND ND	N/A
CBG		0.002 w/w%	w/w%: Report Only mg/g: Report Only	ND ND	N/A
CBN		0.002 w/w%	w/w%: Report Only mg/g: Report Only	ND ND	N/A

Product Pictures



For any questions related to this Certificate of Analysis please contact Customer Service at 512-800-9117 Released and Prepared by Sante Laboratories, LLC. Reported results refer exclusively to items tested.

THIS CERTIFICATED MAY NOT BE REPRODUCED PARTIALLY WITHOUT WRITTEN PERMISSION BY SANTE LABORATORIES, LLC.

DocuSign Envelope ID: 20C8BC23-1314-4546-B071-AEBB2D56F314

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CERTIFICATE OF ANALYSIS

Report Status: **RELEASED**

Report Date: **06/05/2020**

Sante Sample ID: **20A440**

Page 2 of 2

Company Name: **Lama Herbal Solutions**
Phone Number: **513-557-8355**

Contact Name: **Laura McCarthy**
Contact Email: **Lamaherbalsolutions@gmail.com**
Purchase Order Number: **NA**

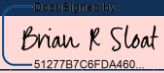
Sample Name: **750 mg Softgel**
Sample Lot Number: **SG25-7332**
Sample Received: **06/01/2020**

Sample/Product Description: **Softgels In Plastic Bags**
Sample/Product Type: **CBD Isolate**
Sample Matrix: **Oil In Softgel**

TESTING FACILITY INFORMATION

SAMPLE INFORMATION

Sante Laboratories, LLC. Hemp Testing Laboratory 8201 East Riverside Drive, Suite 650 Austin, Texas 78744 USA	Sante Sample ID: 20A440 Receipt Date: 06/01/2020 / 12:30 PM / S ORTEGA Receipt Condition: Good Start Date: 06/02/2020
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QUALITY ASSURANCE			
Signature:	 <small>51277B7C8FDA460</small>	Date: 5 June 2020	Name: Brian R. Sloat, Ph.D. Title: Quality Manager

ADDITIONAL REPORT NOTES
<p>Test method have been validated to meet regulatory standards. Total Potential THC = (THCa x 0.877) + (Δ9THC) + (Δ8THC). Total Potential CBD = (CBDa x 0.877) + (CBD). Total Cannabinoids is summation of all tested and detectable cannabinoids. Samples are gravimetrically prepared using qualified balances that are calibrated annually by Mettler-Toledo using NIST-traceable weights. Verification of calibration is performed routinely (e.g. weekly) using NIST-traceable to ensure safe and accurate weighting processes between manufacture performed calibration. Individual balances have been assigned minimum weights taking into consideration the balance and environmental conditions to ensure weighting complies with acceptable tolerances. Cannabinoids for hemp flower and trim is analyzed and reported as received unless requested otherwise. Unless otherwise specified, all QC samples performed within specifications established using validated test methods. Reported results refer exclusive to items tested and have been tested by Sante Laboratories, unless specified otherwise. Test analysis was performed by an ISO/IEC 17025:2017 accredited laboratory. Note, a unit weight of 0.6155 grams was used to calculate the mg of CBD per Unit.</p>

VERSION HISTORY		
Version	Effective Date	Summary of Changes
00	06/05/2020	Initial Release

LEGE ID KEY	
N/A: Not Applicable ND: Not Detected NMT: No More Than NLT: No Less Than LOD: Limit of Detection LOQ: Limit of Quantitation LFIR: Laboratory Failure Investigation Report RT: Retention Time RRT: Relative Retention Time USP: United States Pharmacopeia ID: Identification CV: Coefficient of Variation CFU: Colony Forming Units LR: Lot Release	LNCR: Laboratory Non-Conformance Report RP-UHPLC-DAD: Reverse Phase Ultra High-Performance Liquid Chromatography with Diode Array Detector MS/MS: Mass Spectroscopy (Quadrupole) PPM: Parts Per Million PPB: Parts Per Billion DLS: Dynamic Light Scattering MG: Milligrams G: Grams MCG: Micrograms NM: Nanometers PDI: Polydispersity Index ML: Milliliters ISO: International Organization for Standardization

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CERTIFICATE OF ANALYSIS

PRODUCT NAME: Joy Organics CBD
Softgels PRODUCT STRENGTH: 25 mg
LOT NUMBER: BEST BY DATE: T332
HEMP EXTRACT LOT NUMBER: 06/2021
T288

Physical Attributes

Test	Method	Specification	Results
Color	SOP-100	Golden to Amber	PASS
Odor	SOP-100	N/A	PASS
Appearance	SOP-100	Dry, ovoid softgel capsules in container with lid and shrinkband	PASS
Primary Package Eval.	SOP-132	Container clean and free of filth. Container caps tight and shrink bands intact	PASS
Secondary Package Eval.	SOP-132	Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure.	PASS

Review of Third-Party Analysis

Panel	Method	Specification	Results	Pass/Fail
Potency - Total CBD	SOP-111	23.75-31.25 mg CBD LOQ*: 10 PPM† (0.001%)	<u>27.2 mg</u>	PASS
Potency - D9-THC	SOP-111	None Detected LOQ: 10 PPM (0.001%)	<u>ND</u>	PASS
FL Compliant Pesticide Panel	SOP-111	Florida State Hemp Program Rule 5B-57.014: Action Limits for Pesticides	<u>ND</u>	PASS
Microbial - Stec E.Coli	SOP-111	Complies with USP 61/62	<u>>LOD</u>	PASS
Microbial - Salmonella	SOP-111	Complies with USP 61/62	<u>>LOD</u>	PASS
Microbial - Aspergillus	SOP-111	Complies with USP 61/62	<u>>LOD</u>	PASS

CA Compliant Heavy Metal Panel	SOP-111	Arsenic (As): ≤1.5 PPM Cadmium (Cd): ≤0.5 PPM Mercury (Hg): ≤1.0 PPM Lead (Pb): ≤0.5 PPM	<u>>LOQ</u>	PASS
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* Level of Quantitation, † Parts Per Million

Quality Certified by:

Darcie Moran
Director of Quality Assurance

Date



12423 NE Whitaker Way

Report Number: 19-015255/D01.R00

Report Date: 12/23/2019

ORELAP#: OR100028

Purchase Order:

Received: 07:30

Portland, OR 97230
503-254-1794



12/16/19

Customer: My CBD Test
Product identity: SG25-T332
Client/Metric ID: .
Laboratory ID: 19-015255-0001

Summary

Microbiology:

Less than LOQ for all analytes.

prior arrangements have been made.



12423 NE Whitaker Way

Portland, OR 97230

503-254-1794

Report Number:**Report Date:****ORELAP#:** OR100028**Purchase Order:****Received:** 12/16/19 07:30

Customer: My CBD Test

Product identity: SG25-T332

Client/Metric ID: .

Sample Date:

Laboratory ID: 19-015255-0001

Relinquished by: Received By Mail

Temp: 21.5 °C

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1911364	12/18/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1911364	12/18/19	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	1911425	12/20/19	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	1911425	12/20/19	AOAC 2014.05 (RAPID)	X

Page 2 of 6

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless prior arrangements have been made.

12/16/19

These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

Units of Measure cfu/g = Colony

forming units per gram

% wt = µg/g divided by 10,000

Glossary of Qualifiers X:

Not ORELAP accredited.



12423 NE Whitaker Way
Portland, OR 97230

503-254-1794



Report Number: 19-015255/D01.R00

Report Date: 12/23/2019

ORELAP#: OR100028

Purchase Order:

Received: 07:30

Approved Signatory

A handwritten signature in blue ink, appearing to read "D. Tanner", written over a horizontal line.

Derrick Tanner
General Manager

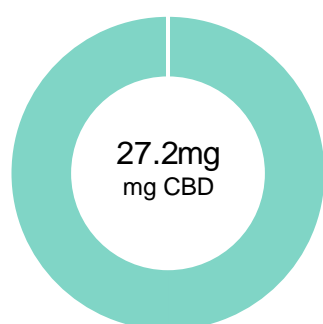
Page 3 of 6

prior arrangements have been made.

Test results relate only to the parameters tested and to the samples as received by the laboratory. Test results meet all requirements of NELAP and the Pixis quality assurance plan unless otherwise noted. This report shall not be reproduced, except in full, without the written consent of this laboratory. Samples will be retained for a maximum of 30 days from the receipt date unless

Testing in accordance with: OAR 333-007-0390

SG25-T288



CBD 4.38%

CBDa 0.00%

delta 9 THC 0.00% THCa

0.00%

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

Total THC = THC + (THCa * (0.877)) and Total CBD = CBD + (CBDa * (0.877))

Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.28	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.14	0.00	0.0
Cannabidiolic acid (CBDA)	0.35	0.00	0.0
Cannabidiol (CBD)	0.20	27.20	43.8
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.16	0.00	0.0
Cannabinolic Acid (CBNA)	0.39	0.00	0.0
Cannabinol (CBN)	0.17	0.00	0.0
Cannabigerolic acid (CBGA)	0.25	0.00	0.0
Cannabigerol (CBG)	0.14	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.24	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.13	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.33	0.00	0.0
Cannabidivarin (CBDV)	0.18	0.00	0.0
Cannabichromenic Acid (CBCA)	0.21	0.00	0.0
Cannabichromene (CBC)	0.26	0.00	0.0

Total Cannabinoids	27.20	43.81
Total Potential THC**	0.00	0.00
Total Potential CBD**	27.20	43.81

NOTES:

of Servings = 1, Sample Weight=0.62082g

N/A

FINAL APPROVAL
Batch ID: SG25-T288

Test ID: 9882551.0044

Reported: 26-Nov-2019


Method: TM14

Type: Unit




Test: Potency

CANNABINOID PROFILE


Ryan Weems
26-Nov-2019
10:17 AM

PREPARED BY / DATE


Greg Zimpfer
26-Nov-2019
11:10 AM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.02



Certificate #4329.02

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Customer: My CBD Test
Product identity: SG25-T288
Client/Metric ID: .
Laboratory ID: 19-014051-0003

Summary

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.



12423 NE Whitaker Way
Portland, OR 97230

503-254-1794



Report Number: 19-014051/D03.R00

Report Date: 11/25/2019

ORELAP#: OR100028

Purchase Order:

Received: 11/19/19 07:30

prior arrangements have been made.

Testing in accordance with: OAR 333-007-0390

Customer: My CBD Test
Product identity: SG25-T288
Client/Metric ID: .
Sample Date:
Laboratory ID: 19-014051-0003
Relinquished by: Received By Mail
Temp: 17.3 °C

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1910573	11/22/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1910573	11/22/19	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	1910572	11/22/19	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	1910572	11/22/19	AOAC 2014.05 (RAPID)	X



Pesticides					Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 1910614					Analyze 11/20/19 04:50 PM				
Analyte	Result	Limits	LOQ	Status	Notes	Analyte	Result	Limits	LOQ	Status	Notes			
Abamectin	< LOQ	0.50	0.250	pass		Acephate	< LOQ	0.40	0.250	pass				
Acequinocyl	< LOQ	2.0	1.00	pass		Acetamiprid	< LOQ	0.20	0.100	pass				
Aldicarb	< LOQ	0.40	0.200	pass		Azoxystrobin	< LOQ	0.20	0.100	pass				
Bifenazate	< LOQ	0.20	0.100	pass		Bifenthrin	< LOQ	0.20	0.100	pass				
Boscalid	< LOQ	0.40	0.200	pass		Carbaryl	< LOQ	0.20	0.100	pass				
Carbofuran	< LOQ	0.20	0.100	pass		Chlorantraniliprole	< LOQ	0.20	0.100	pass				
Chlorfenapyr	< LOQ	1.0	0.500	pass		Chlorpyrifos	< LOQ	0.20	0.100	pass				
Clofentezine	< LOQ	0.20	0.100	pass		Cyfluthrin	< LOQ	1.0	0.500	pass				
Cypermethrin	< LOQ	1.0	0.500	pass		Daminozide	< LOQ	1.0	0.500	pass				
Diazinon	< LOQ	0.20	0.100	pass		Dichlorvos	< LOQ	1.0	0.500	pass				
Dimethoate	< LOQ	0.20	0.100	pass		Ethoprophos	< LOQ	0.20	0.100	pass				
Etofenprox	< LOQ	0.40	0.200	pass		Etoxazole	< LOQ	0.20	0.100	pass				
Fenoxycarb	< LOQ	0.20	0.100	pass		Fenpyroximate	< LOQ	0.40	0.200	pass				
Fipronil	< LOQ	0.40	0.200	pass		Flonicamid	< LOQ	1.0	0.400	pass				
Fludioxonil	< LOQ	0.40	0.200	pass		Hexythiazox	< LOQ	1.0	0.400	pass				
Imazalil	< LOQ	0.20	0.100	pass		Imidacloprid	< LOQ	0.40	0.200	pass				
Kresoxim-methyl	< LOQ	0.40	0.200	pass		Malathion	< LOQ	0.20	0.100	pass				
Metalaxyl	< LOQ	0.20	0.100	pass		Methiocarb	< LOQ	0.20	0.100	pass				
Methomyl	< LOQ	0.40	0.200	pass		MGK-264	< LOQ	0.20	0.100	pass				
Myclobutanil	< LOQ	0.20	0.100	pass		Naled	< LOQ	0.50	0.250	pass				
Oxamyl	< LOQ	1.0	0.500	pass		Paclobutrazole	< LOQ	0.40	0.200	pass				
Parathion-Methyl	< LOQ	0.20	0.200	pass		Permethrin	< LOQ	0.20	0.100	pass				



Phosmet	< LOQ	0.20	0.100 pass	Piperonyl butoxide	< LOQ	2.0	1.00 pass
Prallethrin	< LOQ	0.20	0.200 pass	Propiconazole	< LOQ	0.40	0.200 pass
Propoxur	< LOQ	0.20	0.100 pass	Pyrethrin I (total)	< LOQ	1.0	0.500 pass
Pyridaben	< LOQ	0.20	0.100 pass	Spinosad	< LOQ	0.20	0.100 pass
Spiromesifen	< LOQ	0.20	0.100 pass	Spirotetramat	< LOQ	0.20	0.100 pass
Spiroxamine	< LOQ	0.40	0.200 pass	Tebuconazole	< LOQ	0.40	0.200 pass
Thiacloprid	< LOQ	0.20	0.100 pass	Thiamethoxam	< LOQ	0.20	0.100 pass
Trifloxystrobin	< LOQ	0.20	0.100 pass				

Metals

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
Arsenic	< LOQ		mg/kg	0.100	1910686	11/21/19	AOAC 2013.06 (mod.)	X, H
Cadmium	< LOQ		mg/kg	0.100	1910686	11/21/19	AOAC 2013.06 (mod.)	X, H
Lead	< LOQ		mg/kg	0.100	1910686	11/21/19	AOAC 2013.06 (mod.)	X, H
Mercury	< LOQ		mg/kg	0.100	1910686	11/21/19	AOAC 2013.06 (mod.)	X, H

These test results are representative of the individual sample selected and submitted by the client.

Abbreviations

Limits: Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220

Limit(s) of Quantitation (LOQ): The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

† = Analyte not NELAP accredited.

Units of Measure cfu/g = Colony forming units per gram
mg/kg = Milligram per kilogram = parts per million (ppm)

% wt = µg/g divided by 10,000

Glossary of Qualifiers H:

Holding time was exceeded. X:

Not ORELAP accredited.



12423 NE Whitaker Way
Portland, OR 97230

503-254-1794



Report Number: 19-014051/D03.R00

Report Date: 11/25/2019

ORELAP#: OR100028

Purchase Order:

Received: 11/19/19 07:30

Approved Signatory

Derrick Tanner
General Manager