Certificate of Quality Assurance

PRODUCT NAME: 25 mg Softgels with Curcumin
PRODUCT STRENGTH: 25 mg PRHO, 10mg Curcumin
LOT NUMBER: SG25C-T333
MANUFACTURER LOT NUMBER: JP100819GC1
DATE OF MANUFACTURE: 12/16/2019
Expiration date is 18 months under sealed conditions.
DATE OF ANALYSIS: 5/24/2019
ACTIVE INGREDIENTS: Phytocannabinoid-Rich Hemp Oil, Curcumin
INACTIVE INGREDIENTS: Polysorbate Emusifiers, Medium Chain Triglycerides (MCT Oil), Beta-Caryophyllene **Gelatin Shell:** Bovine-derived Gelatin, Glycerin, Sorbitol, and Water

Physical Attributes of Raw Hemp Oil

Attribute	Acceptance Criteria	Result
Appearance	Viscous Dark Amber Oil Possible Crystal Formation	Conforms
Aroma	Characteristic Hemp Aroma	Conforms
Dissolution	Not Cloudy or Turbid, Characteristic Color	Conforms
Microbial Testing	Total Aerobic Count <2000 cfu/g Total Yeast and Mold <2000 cfu/g	Conforms

Cannabinoid Potency

Cannabinoid	Weight %
CBD	4.35
CBG	<0.03
CBN	<0.03
THC	ND
CBC	<0.03
THC-A	ND
CBD-A	<0.03

Pesticides*

Compound	Result	Compound	Result
Acequinocil	ND	Spinosad	ND
Pyrethrium	ND	Spirotetramat	ND
Spiromesifin	ND	Bifenazate	ND
Abamectin	ND	Fenoxycarb	ND
Imidacloprid	ND	Paclobutrazol	ND

Terpene Results*

Compound	Weight %	Compound	Weight %
β-Bisabolene	1.0-3.0	Camphene	0.1-0.2
β-Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Gualol	0.5-2.0	Farnesol	0.1-0.2
β-Maaliene	0.5-2.0	α-Bisabolol	< 0.1
Calarene	0.5-1.5	p-Cymene	< 0.1
β-Caryophyllene	0.1-1.0	Linalool	< 0.1
α-Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
α-Gurjunene	0.1-0.5	Isopulegol	< 0.1
d-Limonene	0.1-0.5	Terpinene	< 0.1
Nerolidol	0.1-0.5	Geraniol	< 0.1
α-Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	γ-Terpinene	< 0.1
Eucalyptol	0.1-0.2	δ-3-Carene	< 0.1

Residual Solvents*

Solvent	Weight %
Acetone	Compliant with USP<467>
Butane	Compliant with USP<467>
Ethanol	Compliant with USP<467>
Hexane	Compliant with USP<467>
Isobutane	Compliant with USP<467>
Isopropanol	Compliant with USP<467>
Pentane	Compliant with USP<467>

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Heavy Metals*

Metal	Result
Cadmium	Compliant with USP<233>
Lead	Compliant with USP<233>
Arsenic	Compliant with USP<233>
Mercury	Compliant with USP<233>

Analysis Results for Finished Product**

Attribute	Acceptance Criteria	Result
Appearance	Dark Reddish to Amber Soft Gelatin Capsule	Conforms
Aroma	Characteristic	Conforms
Cannabinoid Content	95% to 110% of Label Claim	Conforms
THC Content	None Detected	Conforms

* Results based on testing of multiple batches of hemp oil raw material.
** As obtained from supplier COA.

Quality Certified by:  1-2-20

Matthew Plenert, Ph.D — Date
Head Chemist and Laboratory Manager

QC Unit released by:  1-2-20

David Boaz — Date
QC Manager

CERTIFICATE OF ANALYSIS
ISO/IEC 17025:2017 ACCREDITATION #103104

Order #: 45333
Order Name: SG25C-T333
Batch#: 7
Received: 01/02/2020
Completed: 01/08/2020

Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 01/07/2020 17:34:12

PCR - Agilent AriaMX

Test	Test Method Used	Device Used	LOD	Allowable Criteria	Actual Result	Pass/Fail
STEC E.COLI*	USP 61/62†	ARIAMX PCR	2 COPIES OF DNA	PRESENCE / ABSENT	BELOW LOD	PASS
SALMONELLA*	USP 61/62†	ARIAMX PCR	5 COPIES OF DNA	PRESENCE / ABSENT	BELOW LOD	PASS
ASPERGILLUS	USP 61/62†	ARIAMX PCR	ASP_LOD***	PRESENCE / ABSENT	BELOW LOD	PASS

† USP 61 (enumeration of bacteria TAC, TYM, and ENT/Coliform), USP 62 (identifying specific species E.coli Aspergillus etc)
* STEC and Salmonella run as Multiplex
*** Flavus = 2 Copies of DNA / Fumigatis = 2 Copies of DNA Niger = 20 Copies of DNA / Terrus = 10 copies of DNA

Dr. Andrew Hall, Ph.D.,Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

Green Scientific Labs
info@greenscientificlabs.com
1-833 TEST CBD

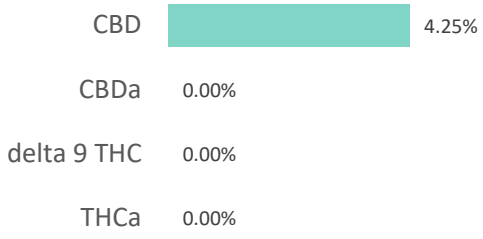
botanacor

CERTIFICATE OF ANALYSIS

Softgel Curcumin

Batch ID:	DR111119GCI	**Test ID:**	6329435.0060
Reported:	20-Nov-2019	**Method:**	TM14
Type:	Unit		
Test:	Potency		

CANNABINOID PROFILE



% = % (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)	0.34	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.17	0.00	0.0
Cannabidiolic acid (CBDA)	0.34	0.00	0.0
Cannabidiol (CBD)	0.19	25.80	42.5
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.18	0.00	0.0
Cannabinolic Acid (CBNA)	0.46	0.00	0.0
Cannabinol (CBN)	0.21	0.00	0.0
Cannabigerolic acid (CBGA)	0.30	0.00	0.0
Cannabigerol (CBG)	0.17	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.29	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.15	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.31	0.00	0.0
Cannabidivarin (CBDV)	0.17	0.30	0.5
Cannabichromenic Acid (CBCA)	0.25	0.00	0.0
Cannabichromene (CBC)	0.31	0.00	0.0
Total Cannabinoids		**26.10**	**43.02**
Total Potential THC**		0.00	0.00
Total Potential CBD**		25.80	42.53

NOTES:

# of Servings = 1, Sample Weight=0.6067g

N/A

FINAL APPROVAL

Tyler Wiese
20-Nov-2019
4:45 PM
PREPARED BY / DATE

Greg Zimpfer
20-Nov-2019
8:51 PM
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

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Certificate #4329.02

PIXIS Labs
A Tentamus Company

12423 NE Whitaker Way
Portland, OR 97230
503-254-1794

Report Number: 19-013942/D01.R00
Report Date: 11/21/2019
ORELAP#: OR100028
Purchase Order:
Received: 11/15/19 10:55

Customer: My CBD Test
Product identity: DR111119GC1
Client/Metrc ID: .
Laboratory ID: 19-013942-0001

Summary

Pesticides:

All analytes passing and less than LOQ.

Metals:

Less than LOQ for all analytes.

Microbiology:

Less than LOQ for all analytes.

Testing in accordance with: OAR 333-007-0390

PIXIS Labs
A Tentamus Company

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ORELAP#: OR100028
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Received: 11/15/19 10:55

Customer: My CBD Test

Product identity: DR111119GC1
Client/Metrc ID: .
Sample Date:
Laboratory ID: 19-013942-0001
Relinquished by: Received By Mail
Temp: 21.2 °C

Sample Results

Microbiology

Analyte	Result	Limits	Units	LOQ	Batch	Analyze	Method	Notes
E.coli	< LOQ		cfu/g	10	1910485	11/20/19	AOAC 991.14 (Petrifilm)	X
Total Coliforms	< LOQ		cfu/g	10	1910485	11/20/19	AOAC 991.14 (Petrifilm)	X
Mold (RAPID Petrifilm)	< LOQ		cfu/g	10	1910486	11/20/19	AOAC 2014.05 (RAPID)	X
Yeast (RAPID Petrifilm)	< LOQ		cfu/g	10	1910486	11/20/19	AOAC 2014.05 (RAPID)	X

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400

PIXIS Labs
A Tentamus Company

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503-254-1794

Report Number: 19-013942/D01.R00
Report Date: 11/21/2019
ORELAP#: OR100028
Purchase Order:
Received: 11/15/19 10:55

Pesticides

Method AOAC 2007.01 & EN 15662 (mod) **Units** mg/kg **Batch** 1910621 **Analyze** 11/21/19 08:57 AM

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	1910609	11/20/19	AOAC 2013.06 (mod.)	X, H
Cadmium	< LOQ		mg/kg	0.100	1910609	11/20/19	AOAC 2013.06 (mod.)	X, H
Lead	< LOQ		mg/kg	0.100	1910609	11/20/19	AOAC 2013.06 (mod.)	X, H
Mercury	< LOQ		mg/kg	0.100	1910609	11/20/19	AOAC 2013.06 (mod.)	X, H

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400

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A Tentamus Company

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503-254-1794

Report Number:	19-013942/D01.R00
Report Date:	11/21/2019
ORELAP#:	OR100028
Purchase Order:	
Received:	11/15/19 10:55

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.

Approved Signatory

Derrick Tanner
General Manager

Testing in accordance with: OAR 333-007-0390 OAR 333-007-0400