



CERTIFICATE OF COMPLIANCE

Product: Mango Raspberry Relax Vegan Soft Chews

Product Brand: Care by Design

Lot: PG230410042

Manufactured by: Loosh Inc.

Address: 160 Steeprock Dr. M3J 2T4, North York, ON

Input Cannabinoids ingredients

Ingredient name	Lot Number
THC distillate	DI10009023068
CBD Distillate	ISL21025CBD02

Weight Accuracy

Method	Specification	Result	Evaluation
In Process Check	Declared Net Weight \pm 9%	20g	PASS

Packaging Seal Check

Method	Specification	Result	Evaluation
In Process Check	Visual Inspection	Seal Intact	PASS

Loosh Inc. certifies that product - **Care by Design Mango Raspberry Relax Vegan Soft Chews 2mg THC 20mg CBD, Lot# PG230410042** produced at Loosh Inc. facility using the Cannabinoids with lot # listed in the table above.

Loosh Inc. is cannabis licensed processing facility with License No. LIC-Z651PJ5EEN-2021-4 and complies with Cannabis regulations.

QAP: Starry Hundal

Date: May 05, 2023

Loosh Inc.

160 Steeprock dr. North York M3J 2T4

+ 416 631 7799

**CERTIFICATE OF ANALYSIS
 SAMPLE INFORMATION**

Client:	Loosh Inc	Vivariant Sample #:	VV-23-00254
Client Address:	160 Steeprock dr Unit 3, M3J 2T4 North York, ON	Sample Matrix Type:	Edible Cannabis
		Sample Matrix Subtype:	Gummy
		Client Sample ID:	Care by Design Mango Raspberry Relax Vegan Soft Chews
		Lot/Batch #:	PG230410042
Contact Name:	Starry Hundal	Date Sample Collected:	2023 Apr 11
Contact Email:	shundal@looshbrands.com	Strain Name:	N. A
		Sample Receipt Date:	2023 Apr 11

Revision #:	0	Sample Comments:
Report Prepared On:	2023-APR-13	NA

POTENCY	
Date Tested:	2023 Apr 12
Method:	SOP-01-002-09
Units:	mg/g
Results:	Report values

Analyte	Result	Limit of Quantitation mg/g	Client Specifications
Cannabidiol (CBD)	5.63	0.035	Report
Cannabidiolic Acid (CBDA)	<LOQ	0.030	Report
Total Potential CBD	5.63	N.A	Report
delta-9-Tetrahydrocannabinol (THC)	0.53	0.160	Report
delta-9-Tetrahydrocannabinolic acid (THCA-A)	<LOQ	0.040	Report
Total Potential THC	0.53	N.A	Report




Reviewed and approved by QAP

Approved by: Anand Thota
 Date Approved:
 4/14/2023

These results relate only to the items tested. This test report shall not be reproduced except in full, without written approval of the laboratory.

* End of report *



Client Name: Loosh Inc.
Address: 160 Steeprock Drive, North York, Ontario
Contact/Attn: Starry Hundal & Donald Bov
Email: shundal@looshbrands.com

Sample Information

Sample Type: Gummies	Sigma ID: 20230411-LI-88
Care by Design Mango Raspberry Relax	
Client ID: Vegan Soft Chews	Date Received: 11-Apr-23
Lot #: PG230410042	Test Date: 17-Apr-23
Certificate #: 20230418-LI-0549	Certificate Issue Date: 18-Apr-23

Microbial Contamination

Instrument: qPCR Method: TP-008

Contamination	Client Specification	Results	Pass/Fail
TAC	NMT 1000 cfu/g	Not Detected	Pass
TYMC	NMT 100 cfu/g	Not Detected	Pass
E.coli	Absent in 1 g	Absent in 1 g	Pass
Salmonella	Absent in 10 g	Absent in 10 g	Pass
Coliform	NMT 100 cfu/g	Not Detected	Pass

Notes

N/A

Final Approval

Approved by: Bahareh Ahmadkhan
Quality Assurance Manager

Date Approved: April 18, 2023

REPORT NO.
C23032-92016

A & L Canada Laboratories Inc.



ACCOUNT NUMBER
02270

2136 Jetstream Road, London, ON, N5V 3P5 Tel: (519) 457-2575 Fax: (519) 457-2664

TO: MOTIF LABS LTD.
516 JOHN ST. N.
AYLMER, ON N5H 2B8
CANADA
hereinafter the "Recipient"

ATTN: Nav Sidhu
Phone: 519-272-3363

CERTIFICATE OF ANALYSIS

PAGE: 1 / 7

CATEGORY: Potency

SAMPLE MATRIX: Cannabis
Concentrate

PO#: Nav Sidhu

DATE SAMPLED: 2023-01-30

LAB NUMBER: 329230

DATE RECEIVED: 2023-02-01

SAMPLE ID: DI10009023068 - DISTILLATE

DATE REPORTED: 2023-02-06

STRAIN: DI10009023068 - DISTILLATE

DATE PRINTED: 2023-02-06

Cannabinoid Profile	RESULT		LOQ		METHOD REFERENCE
	% w/w	mg/g	% w/w	mg/g	
CBC	1.29	12.9	0.25	2.5	ORG-M-071
CBCA	<LOQ	<LOQ	1.65	16.5	ORG-M-071
CBD	<LOQ	<LOQ	0.25	2.5	ORG-M-071
CBDA	<LOQ	<LOQ	0.25	2.5	ORG-M-071
CBDV	<LOQ	<LOQ	0.25	2.5	ORG-M-071
CBDVA	<LOQ	<LOQ	0.25	2.5	ORG-M-071
CBG	1.82	18.2	0.25	2.5	ORG-M-071
CBGA	<LOQ	<LOQ	0.25	2.5	ORG-M-071
CBL	<LOQ	<LOQ	0.25	2.5	ORG-M-071
CBN	1.17	11.7	0.25	2.5	ORG-M-071
CBNA	<LOQ	<LOQ	0.25	2.5	ORG-M-071
Delta 8-THC	<LOQ	<LOQ	0.25	2.5	ORG-M-071
THC	92.40	924.0	0.25	2.5	ORG-M-071
THCA	<LOQ	<LOQ	0.25	2.5	ORG-M-071
THCV	0.64	6.4	0.25	2.5	ORG-M-071
THCVA	<LOQ	<LOQ	0.25	2.5	ORG-M-071
Total CBD	<LOQ	<LOQ	0.25	2.5	ORG-M-071
Total THC	92.40	924.0	0.25	2.5	ORG-M-071

LOQ - Limit of Quantification

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C23032-92016

Results Authorized By:

Haifeng Song, Ph.D., C.Chem.
Lab Director

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Regulated Heavy Metals	RESULT	UNIT	LOQ	METHOD REFERENCE
Arsenic (As)	<LOQ	ppm	0.100	USP 233/EP 2.4.20
Cadmium (Cd)	<LOQ	ppm	0.100	USP 233/EP 2.4.20
Lead (Pb)	<LOQ	ppm	0.250	USP 233/EP 2.4.20
Mercury (Hg)	<LOQ	ppm	0.050	USP 233/EP 2.4.20
Aflatoxins	RESULT	UNIT	LOQ	METHOD REFERENCE
Aflatoxin B1	<LOQ	ppb	1	ORG-M-069
Aflatoxin B2	<LOQ	ppb	1	ORG-M-069
Aflatoxin G1	<LOQ	ppb	1	ORG-M-069
Aflatoxin G2	<LOQ	ppb	1	ORG-M-069
Ochratoxin A	<LOQ	ppb	10	ORG-M-069
Total Aflatoxins	<LOQ	ppb	4	ORG-M-069
Microbiological Scan	RESULT	UNIT	LOQ	METHOD REFERENCE
Bile-Tolerant Gram Negative Bacteria	Negative	P-A/g	1	USP62/EP2.6.13
E. coli	Negative	P-A/g(ml)	1	USP62/EP2.6.13
Pseudomonas aeruginosa	Negative	P-A/g	1	USP62/EP2.6.13
Salmonella spp.	Negative	P-A/10.0g	1 CFU	USP62/EP2.6.13
Staphylococcus aureus	Negative	P-A/g	1	USP62/EP2.6.13
Total Aerobic Microbial Count	<100	CFU/g	100	USP61/EP2.6.12
Total Yeasts & Moulds	<10	CFU/g	10	USP61/EP2.6.12
Residual Solvents	RESULT	UNIT	LOQ	METHOD REFERENCE
Acetonitrile	<LOQ	ppm	100	ORG-M-074
Ethanol	<LOQ	ppm	100	ORG-M-074
Heptane	<LOQ	ppm	100	ORG-M-074
Isobutane	<LOQ	ppm	100	ORG-M-074
Isopropanol	<LOQ	ppm	100	ORG-M-074
n-Butane	<LOQ	ppm	100	ORG-M-074

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Residual Solvents	RESULT	UNIT	LOQ	METHOD REFERENCE
n-Hexane	<LOQ	ppm	100	ORG-M-074
Pentane	<LOQ	ppm	100	HS-GC-FID
Propane	<LOQ	ppm	100	ORG-M-074
Visual Inspection	RESULT	AMOUNT INSPECTED (g)	METHOD REFERENCE	
Foreign Matter	None Detected	10	USP 561/EP 2.8.2	

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CATEGORY: Pesticides

SAMPLE MATRIX: Cannabis
Concentrate

PO#: Nav Sidhu

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Pesticide Scan	RESULT	UNIT	LOQ	HEALTH CANADA REPORTING LIMIT	METHOD REFERENCE
Abamectin	<LOQ	ppm	0.01	0.25	ORG-M-052
Acephate	<LOQ	ppm	0.01	0.05	ORG-M-052
Acequinocyl	<LOQ	ppm	0.01	0.05	ORG-M-052
Acetamiprid	<LOQ	ppm	0.01	0.1	ORG-M-052
Aldicarb	<LOQ	ppm	0.01	1	ORG-M-052
Allethrin	<LOQ	ppm	0.01	0.2	ORG-M-052
Azadirachtin	<LOQ	ppm	0.05	1	ORG-M-052
Azoxystrobin	<LOQ	ppm	0.01	0.02	ORG-M-052
Benzovindiflupyr	<LOQ	ppm	0.01	0.02	ORG-M-052
Bifenazate	<LOQ	ppm	0.01	0.05	ORG-M-052
Bifenthrin	<LOQ	ppm	0.01	1	ORG-M-052
Boscalid	<LOQ	ppm	0.01	0.02	ORG-M-052
Buprofezin	<LOQ	ppm	0.01	0.02	ORG-M-052
Carbaryl	<LOQ	ppm	0.01	0.05	ORG-M-052
Carbofuran	<LOQ	ppm	0.01	0.02	ORG-M-052
Chlorantraniliprole	<LOQ	ppm	0.01	0.02	ORG-M-052
Chlorphenapyr	<LOQ	ppm	0.05	1.5	ORG-M-052
Chlorpyrifos	<LOQ	ppm	0.01	0.5	ORG-M-052
Clofentezine	<LOQ	ppm	0.01	0.02	ORG-M-052
Clothianidin	<LOQ	ppm	0.01	0.05	ORG-M-052
Coumaphos	<LOQ	ppm	0.01	0.02	ORG-M-052
Cyantraniliprole	<LOQ	ppm	0.01	0.02	ORG-M-052
Cyfluthrin	<LOQ	ppm	0.5	1	ORG-M-052
Cypermethrin	<LOQ	ppm	0.5	1	ORG-M-052
Cyprodinil	<LOQ	ppm	0.01	0.25	ORG-M-052

LOQ - Limit of Quantification

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CATEGORY: Pesticides

SAMPLE MATRIX: Cannabis
Concentrate

PO#: Nav Sidhu

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Pesticide Scan	RESULT	UNIT	LOQ	HEALTH CANADA REPORTING LIMIT	METHOD REFERENCE
Daminozide	<LOQ	ppm	0.01	0.1	ORG-M-052
Deltamethrin	<LOQ	ppm	0.05	1	ORG-M-052
Diazinon	<LOQ	ppm	0.01	0.02	ORG-M-052
Dichlorvos	<LOQ	ppm	0.02	0.1	ORG-M-052
Dimethoate	<LOQ	ppm	0.01	0.02	ORG-M-052
Dimethomorph	<LOQ	ppm	0.05	0.05	ORG-M-052
Dinotefuran	<LOQ	ppm	0.01	0.1	ORG-M-052
Dodemorph	<LOQ	ppm	0.01	0.05	ORG-M-052
Endosulfan sulfate	<LOQ	ppm	0.05	2.5	ORG-M-052
Endosulfan-alpha	<LOQ	ppm	0.05	2.5	ORG-M-052
Endosulfan-beta	<LOQ	ppm	0.05	2.5	ORG-M-052
Ethoprophos	<LOQ	ppm	0.01	0.02	ORG-M-052
Etofenprox	<LOQ	ppm	0.05	0.05	ORG-M-052
Etoxazole	<LOQ	ppm	0.01	0.02	ORG-M-052
Etridiazole	<LOQ	ppm	0.05	0.15	ORG-M-052
Fenoxycarb	<LOQ	ppm	0.01	0.02	ORG-M-052
Fenpyroximate	<LOQ	ppm	0.01	0.02	ORG-M-052
Fensulfthion	<LOQ	ppm	0.01	0.02	ORG-M-052
Fenthion	<LOQ	ppm	0.01	0.02	ORG-M-052
Fenvalerate	<LOQ	ppm	0.05	0.1	ORG-M-052
Fipronil	<LOQ	ppm	0.01	0.06	ORG-M-052
Flonicamid	<LOQ	ppm	0.01	0.05	ORG-M-052
Fludioxonil	<LOQ	ppm	0.01	0.02	ORG-M-052
Fluopyram	<LOQ	ppm	0.01	0.02	ORG-M-052
Hexythiazox	<LOQ	ppm	0.01	0.01	ORG-M-052

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Pesticide Scan	RESULT	UNIT	LOQ	HEALTH CANADA REPORTING LIMIT	METHOD REFERENCE
Imazalil	<LOQ	ppm	0.01	0.05	ORG-M-052
Imidacloprid	<LOQ	ppm	0.01	0.02	ORG-M-052
Iprodione	<LOQ	ppm	0.05	1	ORG-M-052
Kinoprene	<LOQ	ppm	0.5	1.25	ORG-M-052
Kresoxim-methyl	<LOQ	ppm	0.05	0.15	ORG-M-052
Malathion	<LOQ	ppm	0.01	0.02	ORG-M-052
Metalaxyl	<LOQ	ppm	0.01	0.02	ORG-M-052
Methiocarb	<LOQ	ppm	0.01	0.02	ORG-M-052
Methomyl	<LOQ	ppm	0.01	0.05	ORG-M-052
Methoprene	<LOQ	ppm	0.01	2	ORG-M-052
Mevinphos	<LOQ	ppm	0.01	0.05	ORG-M-052
MGK-264	<LOQ	ppm	0.05	0.05	ORG-M-052
Myclobutanil	<LOQ	ppm	0.01	0.02	ORG-M-052
Naled	<LOQ	ppm	0.01	0.2	ORG-M-052
Novaluron	<LOQ	ppm	0.01	0.05	ORG-M-052
Oxamyl	<LOQ	ppm	0.01	3	ORG-M-052
Paclobutrazol	<LOQ	ppm	0.01	0.02	ORG-M-052
Parathion-methyl	<LOQ	ppm	0.05	0.05	ORG-M-052
Permethrin	<LOQ	ppm	0.01	0.5	ORG-M-052
Phenothrin	<LOQ	ppm	0.01	0.05	ORG-M-052
Phosmet	<LOQ	ppm	0.01	0.02	ORG-M-052
Piperonyl Butoxide	<LOQ	ppm	0.01	1.25	ORG-M-052
Pirimicarb	<LOQ	ppm	0.01	0.02	ORG-M-052
Prallethrin	<LOQ	ppm	0.01	0.05	ORG-M-052
Propiconazole	<LOQ	ppm	0.01	0.1	ORG-M-052

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Propoxur	<LOQ	ppm	0.01	0.02	ORG-M-052
Pyraclostrobin	<LOQ	ppm	0.01	0.02	ORG-M-052
Pyrethrins	<LOQ	ppm	0.01	0.05	ORG-M-052
Pyridaben	<LOQ	ppm	0.01	0.05	ORG-M-052
Quintozene	<LOQ	ppm	0.01	0.02	ORG-M-052
Resmethrin	<LOQ	ppm	0.01	0.1	ORG-M-052
Spinetoram	<LOQ	ppm	0.01	0.02	ORG-M-052
Spinosad	<LOQ	ppm	0.01	0.1	ORG-M-052
Spirodiclofen	<LOQ	ppm	0.01	0.25	ORG-M-052
Spiromesifen	<LOQ	ppm	0.01	3	ORG-M-052
Spirotetramat	<LOQ	ppm	0.01	0.1	ORG-M-052
Spiroxamine	<LOQ	ppm	0.01	0.1	ORG-M-052
Tebuconazole	<LOQ	ppm	0.01	0.05	ORG-M-052
Tebufenozide	<LOQ	ppm	0.01	0.02	ORG-M-052
Teflubenzuron	<LOQ	ppm	0.01	0.05	ORG-M-052
Tetrachlorvinphos	<LOQ	ppm	0.01	0.02	ORG-M-052
Tetramethrin	<LOQ	ppm	0.01	0.1	ORG-M-052
Thiacloprid	<LOQ	ppm	0.01	0.02	ORG-M-052
Thiamethoxam	<LOQ	ppm	0.01	0.02	ORG-M-052
Thiophanate-methyl	<LOQ	ppm	0.01	0.05	ORG-M-052
Trifloxystrobin	<LOQ	ppm	0.01	0.02	ORG-M-052

LOQ - Limit of Quantification

The results of this report relate to the sample submitted and analyzed. All results are released based on acceptable QC data.

Results Authorized By:



C23032-92016

Haifeng Song, Ph.D., C.Chem.
Lab Director

A&L Canada Laboratories Inc. is accredited by the Standards Council of Canada for specific tests as listed on www.scc.ca and by the Canadian Association for Laboratory Accreditation as listed on www.cala.ca

Additional information available upon request

This Certificate of Analysis has been prepared for use by the Recipient only. Possession of this Certificate of Analysis, does not carry with it the right to reproduction or publication in whole or in part nor may it be used by anyone other than the Recipient without the prior written consent and approval of A & L Canada Laboratories Inc. ("A&L Canada"). Upon receipt of this Certificate of Analysis by the Recipient from A&L Canada, A&L Canada shall not be responsible for and no claim shall be advanced against A&L Canada as a result of the unauthorized reproduction, use or distribution of this Certificate of Analysis.

CERTIFICATE OF ANALYSIS

Address: 219 Apex Street,
 Saskatoon, SK
 S7R 1C3, Canada

Website: www.blueskyhempventures.com
 Telephone: +1-306-986-3934
 License #: LIC-YE98D76B6Q-2020

Product Name and ID: Isolate CBD - ISL21025CBD02

Packaged Date: N/A

Test Date: 211115

3rd Party Lab: Valens Labs

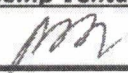
Report Date: 211122

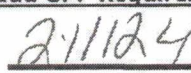
Storage Conditions: Maintain in a cool dry environment away from oxidation, heat, moisture or sunlight.

Analysis	Results	Specification	Method Used
Aerobic Colony Count (cfu/g)	< 10	≤ 50,000 cfu/g	L-025-02
Total Yeast and Mould Count (cfu/g)	< 10	≤ 500 cfu/g	L-025-02
Bile Tolerant Gram Negative Bacteria (cfu/g)	< 10	≤ 100 cfu/g	L-025-02
Salmonella (Present/Absent)	Absent	Absent in 25 g	L-019-05
Eschericia coli (cfu/g)	Absent	Absent in 1g	L-019-05
Aflatoxin B1 (ng/g)	< 0.5	< 2 ng/g	L-018-03
Total Aflatoxins (ng/g) (sum of B1, B2, G1, G2)	< 4.0	< 4 ng/g	L-018-03
Arsenic (ppm)	< 0.06	≤ 0.2 ppm	L-003-06
Cadmium (ppm)	< 0.06	≤ 0.2 ppm	L-003-06
Lead (ppm)	< 0.06	≤ 0.5 ppm	L-003-06
Mercury (ppm)	< 0.06	≤ 0.1 ppm	L-003-06
Pesticides (ug/g)	< Reporting Limits	< Reporting Limits	L-015-02
Residual Pentane (%)	0.08	< 0.5 %	L-029-01
Cannabidiol (CBD) (%)	99.68	Report Value (%)	L-026-01
Δ9-Tetrahydrocannabinol (THC) (%)	0.053	Report Value (%)	L-026-01
Tetrahydrocannabinolic Acid (THCA) (%)	< 0.001	Report Value (%)	L-026-01
Total Potential THC (%)	0.053	Report Value (%)	L-026-01

Questions? Email bliwiski@blueskyhempventures.com

Blue Sky Hemp Ventures Ltd. Products are manufactured in conformance with Health Canada GPP Requirements.

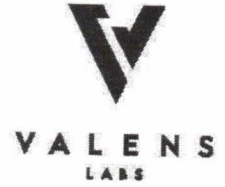

 Brad Liwiski, QAP


 Date (YYMMDD)

*Reviewed by QAP - H. Scurendeg
 on - Feb 25, 2022*

Certificate of Analysis - Amended

This report has been amended and supersedes all previous published results for sample HEM-21111504-01 please see attached email for the reason of change.



Blue Sky Hemp Ventures
Saskatoon, SK S7R 1C3
Canada
ayanko@blueskyhempventures.com

Valens Labs
230 Carion Rd
Kelowna British Columbia
Canada
V4V 2K5



Lab Sample ID HEM-21111504-01
Client SID ISL21025CBD02
Sample Type Isolate - Hemp

Date Received 2021-11-15
Date Published 2021-11-23

Methods Summary

- Cannabinoid Profile L-041** L-041-00 Trace Analysis of THC Content in CBD Isolates by HPLC-DAD. In house method developed using solvent extraction and analysis with HPLC-DAD. Total Potential THC= THC + 0.877*THCA, Total Potential CBD= CBD + 0.877*CBDA
- Cannabinoid Profile L-026** L-026-01 Quantification of Cannabinoids in Isolate Samples by HLPC-DAD. In house method developed using solvent extraction and analysis with HPLC-DAD. Total Potential THC= THC + 0.877*THCA, Total Potential CBD= CBD + 0.877*CBDA
- Microbials L-019** L-019-05 Analysis of Microbes in Cannabis by qPCR. Eu. Ph. 5.1.6, 2.6.12, 2.6.13 and 2.6.31 with limits as per Eu. Ph. 5.1.8. E. coli is present/absent in 1 g or 1 mL. Pseudomonas aeruginosa is present/absent in 1 g or 1 mL. Salmonella is present/absent in 25 g or 25 mL. Staphylococcus aureus is present/absent in 1 g or 1 mL.
- Microbials L-025** L-025-02 Analysis of Microbes in Cannabis by Plating. Eu. Ph. 5.1.6, 2.6.12, 2.6.13 and 2.6.31 with limits as per Eu. Ph. 5.1.8.
- Mycotoxins** L-018-03 Determination of Mycotoxins in Cannabis by LC-MS/MS. In house method developed utilizing interference removal cartridges. Limits as per Eu. Ph. 2.8.18 and 2.8.22. Sum of Aflatoxin B1, B2, G1 and G2 must be less than 4 ng/g. Ochratoxin A must be less than 20 ng/g.
- Metals** L-003-06 Determination of Heavy Metals in Cannabis by ICP-MS. Limits as per ICH Q3D limits for Inhalation Products.
- Residual Solvents** L-029-01 Determination of Residual Solvents in Cannabis and Hemp Products by GC-MS/MS. Modified from USP 467 using analysis with GC-MS/MS. Limits established by Health Canada.
- Pesticides** L-015-02 Determination of Pesticides in Cannabis by LC-MS/MS and GC-MS/MS. In house method developed utilizing QuEChERS cleanup modified from EN 15662. Limits established by Health Canada. * Health Canada limit under review.
- Moisture Content** L-021-00 In house method using a Mettler Toledo HE53 Halogen Moisture Analyzer


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When both CBD and CBDA are <LOQ, the Total CBD reports as <LOQ


When both delta9 THC and THCA are <LOQ, the Total THC reports as <LOQ

‡ Indicates result out of specification

Responsibilities:


Houssain El Aribi, Ph.D.
Director, Valens Labs

Published By:


Aaron Wylie
Lab Analyst, Valens Labs

Results

Cannabinoid Profile - Date Analyzed 2021-11-22		mg/g
Analyte	LOQ	Results
Total Potential THC	N/A	0.5260
Cannabidiol (CBD)	0.0100	996.7900
Delta9-Tetrahydrocannabinol (delta9THC)	0.0100	0.5260
Tetrahydrocannabinolic Acid (THCA)	0.0100	<LOQ

Microbials - Date Analyzed 2021-11-17		CFU/g	
Analyte	LOQ	Results	Limits
Bile Tolerant Gram-Negative	10	<LOQ	100
<i>E.coli</i>	N/A	Absent	
<i>Pseudomonas aeruginosa</i>	N/A	Absent	
<i>Salmonella</i>	N/A	Absent	
<i>Staphylococcus aureus</i>	N/A	Absent	
Total Aerobic Count	10	<LOQ	50000
Total Yeast and Mould Count	10	<LOQ	500

Mycotoxins - Date Analyzed 2021-11-16		ppb (ng/g)	
Analyte	LOQ	Results	Limits
Aflatoxin B1	0.5	<LOQ	2.0
Aflatoxin B2	1.0	<LOQ	
Aflatoxin G1	1.0	<LOQ	
Aflatoxin G2	1.0	<LOQ	
Ochratoxin A	1.0	<LOQ	20.0
Total Aflatoxins	N/A	<LOQ	4.0

Heavy Metals - Date Analyzed 2021-11-15		ppm (µg/g)	
Analyte	LOQ	Results	Limits
Arsenic	0.06	<LOQ	0.20
Cadmium	0.06	<LOQ	0.30
Lead	0.06	<LOQ	0.50
Mercury	0.06	<LOQ	0.10

Residual Solvents - Date Analyzed 2021-11-17		ppm (µg/g)	
Analyte	LOQ	Results	Limits
Quantified			
Pentane	100.0	760.4	5000.0
Not Quantifiable			
1-Butanol	100.0	<LOQ	5000.0

Responsibilities:



Houssain El Aribi, Ph.D.
Director, Valens Labs

Published By:




Aaron Wylie
Lab Analyst, Valens Labs

Residual Solvents - Date Analyzed 2021-11-17		ppm (µg/g)	
Analyte	LOQ	Results	Limits
1-Pentanol	500.0	<LOQ	5000.0
1-Propanol	100.0	<LOQ	5000.0
2-Butanol	100.0	<LOQ	5000.0
2-Butanone	100.0	<LOQ	5000.0
2-Methyl-1-Propanol	500.0	<LOQ	5000.0
2-Propanol	500.0	<LOQ	5000.0
3-Methyl-1-Butanol	500.0	<LOQ	5000.0
4-Methyl-2-Pentanone	100.0	<LOQ	5000.0
Acetone	100.0	<LOQ	5000.0
Anisole	100.0	<LOQ	5000.0
Butyl Acetate	100.0	<LOQ	5000.0
Diethyl Ether	100.0	<LOQ	5000.0
Ethanol	100.0	<LOQ	5000.0
Ethyl Acetate	100.0	<LOQ	5000.0
Ethyl Formate	100.0	<LOQ	5000.0
Heptane	100.0	<LOQ	5000.0
i-Butane	100.0	<LOQ	5000.0
Isobutyl Acetate	100.0	<LOQ	5000.0
Isopropyl Acetate	100.0	<LOQ	5000.0
Methyl Acetate	100.0	<LOQ	5000.0
n-Butane	100.0	<LOQ	5000.0
Propane	100.0	<LOQ	5000.0
Propyl Acetate	100.0	<LOQ	5000.0
Tert-Butylmethyl Ether	100.0	<LOQ	5000.0

Pesticides - Date Analyzed 2021-11-17		ppm (µg/g)	
Analyte	LOQ	Results	Limits
Not Quantifiable			
Abamectin	0.100	<LOQ	0.250
Acephate	0.010	<LOQ	0.050
Acequinocyl	0.025	<LOQ	*
Acetamiprid	0.010	<LOQ	0.050
Aldicarb	0.050	<LOQ	0.500
Allethrin	0.100	<LOQ	0.100
Azadirachtin	0.100	<LOQ	0.500
Azoxystrobin	0.010	<LOQ	0.010
Benzovindiflupyr	0.010	<LOQ	0.010
Bifenazate	0.010	<LOQ	0.010
Bifenthrin	0.010	<LOQ	*
Boscalid	0.010	<LOQ	*
Buprofezin	0.010	<LOQ	*
Carbaryl	0.010	<LOQ	0.025
Carbofuran	0.010	<LOQ	0.010
Chlorantraniliprole	0.010	<LOQ	*

Responsibilities:



Houssain El Aribi, Ph.D.
Director, Valens Labs

Published By:



Aaron Wylie
Lab Analyst, Valens Labs

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Analyte	LOQ	Results	Limits
Chlorphenapyr	0.010	<LOQ	1.500
Chlorpyrifos	0.010	<LOQ	0.500
Clofentezine	0.010	<LOQ	0.010
Clothianidin	0.010	<LOQ	0.025
Coumaphos	0.010	<LOQ	0.010
Cyantraniliprole	0.010	<LOQ	0.010
Cyfluthrin	0.100	<LOQ	*
Cypermethrin	0.100	<LOQ	*
Cyprodinil	0.010	<LOQ	0.010
Daminozide	0.100	<LOQ	*
Deltamethrin	0.025	<LOQ	*
Diazinon	0.010	<LOQ	*
Dichlorvos	0.010	<LOQ	0.050
Dimethoate	0.010	<LOQ	0.010
Dimethomorph(s)	0.010	<LOQ	*
Dinotefuran	0.010	<LOQ	0.050
Dodemorph	0.010	<LOQ	*
Endosulfan Sulfate	0.025	<LOQ	2.500
Endosulfan-alpha	0.025	<LOQ	2.500
Endosulfan-beta	0.025	<LOQ	2.500
Ethoprofos	0.010	<LOQ	0.010
Etofenprox	0.010	<LOQ	*
Etoxazole	0.010	<LOQ	*
Etridiazole	0.010	<LOQ	0.150
Fenoxycarb	0.010	<LOQ	0.010
Fenpyroximate	0.010	<LOQ	*
Fensulfothion	0.010	<LOQ	0.010
Fenthion	0.010	<LOQ	0.010
Fenvalerate	0.010	<LOQ	*
Fipronil	0.010	<LOQ	0.010
Flonicamid	0.010	<LOQ	0.025
Fludioxonil	0.010	<LOQ	0.010
Fluopyram	0.010	<LOQ	0.010
Hexythiazox	0.010	<LOQ	*
Imazalil	0.010	<LOQ	0.010
Imidacloprid	0.010	<LOQ	0.010
Iprodione	0.010	<LOQ	0.500
Kinoprene	0.200	<LOQ	1.250
Kresoxim-methyl	0.010	<LOQ	0.150
Malathion	0.010	<LOQ	0.010
Metalaxyl	0.010	<LOQ	0.010
Methiocarb	0.010	<LOQ	0.010
Methomyl	0.010	<LOQ	0.025
Methoprene	0.200	<LOQ	*
Mevinphos	0.010	<LOQ	0.025

Responsibilities:



Houssain El Aribi, Ph.D.
Director, Valens Labs

Published By:



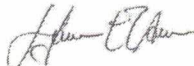
Aaron Wylie
Lab Analyst, Valens Labs


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HEM-21111504-01

Pesticides - Date Analyzed 2021-11-17		ppm (µg/g)	
Analyte	LOQ	Results	Limits
MGK-264	0.050	<LOQ	*
Myclobutanil	0.010	<LOQ	0.010
Naled	0.010	<LOQ	*
Novaluron	0.010	<LOQ	0.025
Oxamyl	0.010	<LOQ	1.500
Paclobutrazol	0.010	<LOQ	0.010
Parathion Methyl	0.010	<LOQ	*
Permethrin(s)	0.025	<LOQ	*
Phenothrin	0.010	<LOQ	*
Phosmet	0.010	<LOQ	*
Piperonyl butoxide	0.010	<LOQ	1.250
Pirimicarb	0.010	<LOQ	0.010
Prallethrin	0.050	<LOQ	*
Propiconazole(s)	0.010	<LOQ	*
Propoxur	0.010	<LOQ	0.010
Pyraclostrobin	0.010	<LOQ	0.010
Pyrethrins	0.050	<LOQ	*
Pyridaben	0.010	<LOQ	0.020
Quintozene	0.010	<LOQ	*
Resmethrin	0.010	<LOQ	0.050
Spinetoram	0.010	<LOQ	0.010
Spinosad (A+D)	0.010	<LOQ	0.010
Spirodiclofen	0.010	<LOQ	*
Spiromesifen	0.010	<LOQ	*
Spirotetramat	0.010	<LOQ	0.010
Spiroxamine	0.010	<LOQ	*
Tebuconazole	0.010	<LOQ	0.010
Tebufenozide	0.010	<LOQ	0.010
Teflubenzuron	0.025	<LOQ	0.025
Tetramethrin	0.025	<LOQ	*
Tetreachlorvinphos	0.010	<LOQ	0.010
Thiacloprid	0.010	<LOQ	0.010
Thiamethoxam	0.010	<LOQ	0.010
Thiophanate-methyl	0.010	<LOQ	*
Trifloxystrobin	0.010	<LOQ	0.010

Water Content - Date Analyzed 2021-11-15		Water content %
Analyte	Results	
Moisture Content	0.09	

OK - QAP P. J. Buckley
Feb. 25. 2022

Responsibilities: 
Houssain El Aribi, Ph.D.
Director, Valens Labs

Published By: 
Aaron Wylie
Lab Analyst, Valens Labs