



CERTIFICATE OF COMPLIANCE

Product Brand: ABX

Product name: Nighttime Soft Chew 5 mg THC per unit

Product type: Pectin gummy

Lot: PG220831071

Packaging date: 2022 OC 20

Manufactured by: Loosh Inc.

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

Input Cannabinoids

Ingredient name	Lot Number
THC Distillate	DI10008822391
CBN Isolate	ISL22051CBN02

Loosh Inc. certifies that product **-ABX- Nighttime Soft Chew 5mg THC per unit** lot # **PG220831071** 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: Natasha Botinova

Date: Nov. 04, 2022

Loosh Inc.
160 Steeprock dr. North York M3J 2T4
+ 416 631 7799

HIGH NORTH ID:
00239164
Date: 2022-09-21
Certificate: 1663786124



High North Inc.
241 Hanlan Rd, Unit 7
Woodbridge, ON, L4L 3R7
1-416-864-6119
LIC-P4PNJMAC20-2022

Client: Loosh Inc
160 Steeprock drive,
North York, ON, M3J 2T4
Name: Natasha Botinova
16472946777
natasha@looshbrands.com
Strain: Absolute Extract Night time
soft Chew
Lot: PG220831071
Matrix: Oil
Sub-matrix: Edible Solid
Sampled: 2022-09-15
Received: 2022-09-15

Certificate of Analysis

Cannabinoid Analysis	LOD (%)	LOQ (%)	wt%	mg/g
Total THC [(THCA x 0.877) + D9-THC]			0.132	1.317
Total CBD [(CBDA x 0.877) + CBD]			0	0
D9-THC	0.0025	0.005	0.132	1.317
CBN	0.0025	0.005	0.128	1.279
THCA-A	0.0025	0.005	ND	ND
CBDA	0.0025	0.005	ND	ND
CBD	0.0025	0.005	ND	ND
Total of all quantified cannabinoids:			0.260	2.596

OK- QAP - Sep. 21 2022

Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, * = Mixture of Isomers

Authorized by:

Ebai Achare
QA Specialist

Details of Testing

Cannabinoid Analysis

Analysis of 11 Cannabinoids by HPLC & UHPLC

Method LAB-MTD-020: Flower (LOQ 0.06%), Oil (LOQ 0.03%), Concentrates (LOQ 0.6%)

Method LAB-MTD-021: Isolates (LOQ 0.06%)

Method LAB-MTD-023: Tablets & Granules (LOQ 0.025%)

Method LAB-MTD-030: Topicals (LOQ 0.005%)

Method LAB-MTD-039: Determination of 5 Cannabinoids in Cannabis Edibles; Liquid Edibles (LOQ 0.0002%) and Solid Edibles (LOQ 0.005%)

Terpene Analysis

Profile of 42 terpenes by GC/MS

Method LAB-MTD-035: Cannabis Flower, Oil

Pesticide Analysis

Determination of 96 Pesticide Residues by LC/MS/MS and GC/MS/MS

Method LAB-MTD-010: Cannabis Flower, Oil

Method LAB-MTD-040: Determination of EP Pesticide Residue in Cannabis Oil by GCMSMS

Method LAB-MTD-041: Determination of EP Pesticide Residues in Cannabis Flower and Related Products by GCMSMS

Mycotoxin Analysis

Determination of Aflatoxins B1, B2, G1, G2 and Ochratoxin-A by LC/MS/MS

Method LAB-MTD-010: Cannabis Flower, Oil

Method LAB-MTD-029: Tablets

Method LAB-MTD-037: Topicals

Heavy Metal Analysis

Determination of Heavy Metal contamination (Arsenic, Cadmium, Lead & Mercury) by ICP/MS

Method LAB-MTD-027: Cannabis Flower, Oil, Topicals, Tablets

Residual Solvents Analysis

Determination of 24 Residual Solvents by GC/MS

Method LAB-MTD-036: Cannabis Oil

Method LAB-MTD-028: Tablets

Determination of Butane and Propane Residual Solvents in Cannabis Oil

Method LAB-MTD-034 (GC/MS): Cannabis Oil

Information is accurate unless otherwise stated. The results of this report are reflective only to material and product analyzed as received. This report shall not be reproduced, without written approval from High North Laboratories. Test Results are confidential unless explicitly waived otherwise.

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Authorized by:


Ebai Achare
QA Specialist

Details of Testing

Microbial Analysis, Powdery Mildew & Gender Determination

Molecular detection and quantitation by PCR & qPCR

Cannabis Flower, Oil, Cannabis-Infused Products

Method MIC-MTD-001 (TAMC, TYMC, BTGN, E.coli, Salmonella, Staph/Pseudomonas)

Method MIC-MTD-005: (Powdery Mildew & Gender Determination)

Method MIC-MTD-006: Determination of Viruses in Cannabis via qPCR and ELISA

Moisture Analysis

Water Activity & Moisture Content (Loss on Drying)

Method LAB-MTD-017 (Loss on Drying; Dry flower only)

Method LAB-MTD-031 (Water activity, a_w)

Foreign Matter Analysis

Visual/Magnified Inspection for Foreign Matter

Method LAB-MTD-022

Total Ash Analysis

Method LAB-MTD-043: Total Ash by Muffle Furnace in Cannabis Products

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Authorized by:


Ebai Achare
QA Specialist

CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION

Client:	Loosh Inc	Vivariant Sample #:	VV-22-00431
Client Address:	160 Steeprock dr Unit 3, M3J 2T4 North York ON	Sample Matrix Type:	Edible_Cannabis
		Sample Matrix Subtype:	Gummies
		Sample Name:	Absolute Xtracts Night time Soft chew 5mg THC per unit (Fresh from mold)
		Lot/Batch #:	PG220831071
Contact Name:	Natasha Botinova	Date Sample Collected:	2022 Aug 31
Contact Email:	natasha@looshbrands.com	Strain Name:	NA
		Sample Receipt Date:	2022 Sep 06

Revision #:	0	Sample Comments:
Report Prepared On:	2022 Sep 12	NA

MICROBIAL ANALYSIS	
Date Tested:	2022 Sep 06
Method:	USP, NF

Test	Result	Method	Client Specifications
Total Aerobic Microbial Count	< 10 CFU/g	USP <61>	Report
Total Yeast and Mold Count	< 10 CFU/g	USP <61>	Report
Bile Tolerant Gram-Negative Bacteria	< 10 CFU/g	USP <62>	Report
Detection of <i>Escherichia Coli</i>	No Growth Detected	USP <62>	Report
Detection of <i>Salmonella</i> ssp.	No Growth Detected	USP <62>	Report



OK- QAP - Sep. 12 2022 

Approved by: Anand Thota
 Date Approved:
 9/12/2022

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 *

PRODUCT INFORMATION	
Product:	THC Distillate
Lot No:	DI10008822391
PRE-APPROVED LABORATORY INFORMATION	
Name:	A&L
Address:	2136 Jetstream Rd London ON N5V 3P5
Name of Contact Person:	Daryl Patterson
CoA No:	C22207-92032/C22221-92024
Date of Analysis:	28-Jul-22/ 15-Aug-22

Test	Method	Specifications	Result	Pass / Fail	
THC	Validated External Lab	Report Result	919.3 mg/g	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>
THCA	Validated External Lab	Report Result	<LOQ	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>
Total THC	Validated External Lab	Report Result	919.3 mg/g	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>
CBD	Validated External Lab	Report Result	3.4 mg/g	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>
CBDA	Validated External Lab	Report Result	<LOQ	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>
Total CBD	Validated External Lab	Report Result	3.4 mg/g	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>

MICROBIOLOGY Ph Eur 5.1.4 Table 5.1.4.1					
1. Topical products will be tested for TAMC, TYMC, S aureus, P aeruginosa.					
2. Inhalation products will be tested for TAMC, TYMC, S. aureus, P. aeruginosa & Bile Tolerance Gram Negative Bacteria.					
3. Oral products will be tested for TAMC, TYMC, E. coli, Salmonella spp, S. aureus, & Bile Tolerance Gram Negative Bacteria					
Test	Standard	Specifications	Result	Pass / Fail	
Total Aerobic Microbial Count	Ph. Eur 5.1.4	≤ 100 CFU/g or CFU/ml Max acceptable count 200 CFU/g or CFU/ml	<100 CFU/g	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>
Total Yeast/Mold Count	Ph. Eur 5.1.4	≤ 10 CFU/g or CFU/ml Max acceptable count 20 CFU/g or CFU/ml	<10 CFU/g	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>
Escherichia coli	Ph. Eur 5.1.4	Absent in 1 g or ml	Negative	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>
Salmonella spp.	Ph. Eur 5.1.4	Absent in 10 g or ml	Negative	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>
Staphylococcus aureus	Ph. Eur 5.1.4	Absent in 1 g or ml	Negative	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>
Pseudomonas aeruginosa	Ph. Eur 5.1.4	Absent in 1 g or ml	Negative	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>
Bile Tolerance Gram Negative Bacteria	Ph. Eur 5.1.4	Absent in 1 g or ml	Negative	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>



CoA Verification Finished Product

Document Number: TES-0001-007

Effective Date: 3/5/2022

Test	Standard	Specifications	Result	Pass / Fail	
AFLATOXINS					
Aflatoxin B1	Ph. Eur 2.8.18	< 2 ppb	<LOQ	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>
Total Aflatoxins (B1+B2+G1+G2)	Ph. Eur 2.8.18	< 4 ppb	<LOQ	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>
HEAVY METALS					
<i>Check the box most applicable to the Finished Product use</i>		<input type="checkbox"/> ORAL <input type="checkbox"/> TOPICAL	<input type="checkbox"/> INHALATION <input checked="" type="checkbox"/> OTHER		
Arsenic (As)	USP 232 Table 2	< 1.5 ppm	< 0.2 ppm	<LOQ	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
Cadmium (Cd)	USP 232 Table 2	< 0.5 ppm	< 0.2 ppm	<LOQ	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
Lead (Pb)	USP 232 Table 2	< 0.5 ppm	< 0.5 ppm	<LOQ	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
Total Mercury (Hg)	USP 232 Table 2	< 3 ppm	< 0.1 ppm	<LOQ	Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/>
RESIDUAL SOLVENT					
Ethanol	USP 467	< 5000 ppm	<LOQ	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>
PESTICIDE ACTIVE INGREDIENT					
Pesticide Active Ingredient	Mandatory cannabis testing for pesticides active ingredients – List and Limits.	< LOQ* *Verified on Input Cannabis	<LOQ	Pass <input checked="" type="checkbox"/>	Fail <input type="checkbox"/>

*Specifications are available upon request.

Abbreviation: UNODC: <i>United Nations Office of Drug and Crime</i> TYMC: <i>Total yeast/ mold count</i> TAMC: <i>Total Aerobic Microbial Count</i>	CBD: <i>Cannabidiol</i> CBDA: <i>Cannabidiolic acid</i> THC: <i>Tetrahydrocannabinol</i> THCA: <i>Tetrahydrocannabinolic acid</i>
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BATCH RELEASED:	YES	NO
Comments: Ochratoxin-A was tested at <LOQ		
Transcribed By (Signature): <i>Nicoletta Brubacher</i>	Date: 21 Sept 2022	
Reviewed/approved by (A/QAP Signature): <i>Nav Sidhu</i>	Date: Sept 21, 2022	

REPORT NO.
C22207-92032

ACCOUNT NUMBER
02270

A & L Canada Laboratories Inc.

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 / 1

CATEGORY: Potency

PO#: Nav Sidhu
LAB NUMBER: 2079273
SAMPLE ID: DI10008822391
STRAIN:

SAMPLE MATRIX: Cannabis
Concentrate
DATE SAMPLED: 2022-07-24
DATE RECEIVED: 2022-07-26
DATE REPORTED: 2022-07-28
DATE PRINTED: 2022-07-28

Cannabinoid Profile	RESULT		LOQ		METHOD REFERENCE
	% w/w	mg/g	% w/w	mg/g	
CBC	1.07	10.7	0.25	2.5	ORG-M-071
CBCA	<LOQ	<LOQ	1.65	16.5	ORG-M-071
CBD	0.34	3.4	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	2.79	27.9	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	0.97	9.7	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	91.93	919.3	0.25	2.5	ORG-M-071
THCA	<LOQ	<LOQ	0.25	2.5	ORG-M-071
THCV	0.62	6.2	0.25	2.5	ORG-M-071
THCVA	<LOQ	<LOQ	0.25	2.5	ORG-M-071
Total CBD	0.34	3.4	0.25	2.5	ORG-M-071
Total THC	91.93	919.3	0.25	2.5	ORG-M-071

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.



C22207-92032

Results Authorized By:

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

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Additional information available upon request

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REPORT NO.
C22221-92024

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 / 5

CATEGORY: Contamination

SAMPLE MATRIX: Cannabis
Concentrate

PO#: Nav Sidhu

DATE SAMPLED: 2022-08-08

LAB NUMBER: 2219251

DATE RECEIVED: 2022-08-09

SAMPLE ID: DI10008822391

DATE REPORTED: 2022-08-15

STRAIN:

DATE PRINTED: 2022-08-15

Regulated Heavy Metals	RESULT	UNIT	LOQ	METHOD REFERENCE
Arsenic (As)	<LOQ	ppm	0.1	USP 233/EP 2.4.20
Cadmium (Cd)	<LOQ	ppm	0.1	USP 233/EP 2.4.20
Lead (Pb)	<LOQ	ppm	0.25	USP 233/EP 2.4.20
Mercury (Hg)	<LOQ	ppm	0.05	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
Ethanol	<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	

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:



C22221-92024

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

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Additional information available upon request
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CERTIFICATE OF ANALYSIS

PAGE: 2 / 5

CATEGORY: Pesticides

SAMPLE MATRIX: Cannabis
Concentrate

PO#: Nav Sidhu

DATE SAMPLED: 2022-08-08

LAB NUMBER: 2219251

DATE RECEIVED: 2022-08-09

SAMPLE ID: DI10008822391

DATE REPORTED: 2022-08-15

STRAIN:

DATE PRINTED: 2022-08-15

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

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C22221-92024

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Lab Director

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hereinafter the "Recipient"

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Phone: 519-272-3363

CERTIFICATE OF ANALYSIS

PAGE: 3 / 5

CATEGORY: Pesticides

SAMPLE MATRIX: Cannabis
Concentrate

PO#: Nav Sidhu

DATE SAMPLED: 2022-08-08

LAB NUMBER: 2219251

DATE RECEIVED: 2022-08-09

SAMPLE ID: DI10008822391

DATE REPORTED: 2022-08-15

STRAIN:

DATE PRINTED: 2022-08-15

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

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:



C22221-92024

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

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REPORT NO.
C22221-92024

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: 4 / 5

CATEGORY: Pesticides

SAMPLE MATRIX: Cannabis
Concentrate

PO#: Nav Sidhu

DATE SAMPLED: 2022-08-08

LAB NUMBER: 2219251

DATE RECEIVED: 2022-08-09

SAMPLE ID: DI10008822391

DATE REPORTED: 2022-08-15

STRAIN:

DATE PRINTED: 2022-08-15

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

LOQ - Limit of Quantification

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Results Authorized By:



C22221-92024

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REPORT NO.
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2136 Jetstream Road, London, ON, N5V 3P5 Tel: (519) 457-2575 Fax: (519) 457-2664

TO: MOTIF LABS LTD.
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CERTIFICATE OF ANALYSIS

PAGE: 5 / 5

CATEGORY: Pesticides

SAMPLE MATRIX: Cannabis
Concentrate

PO#: Nav Sidhu
LAB NUMBER: 2219251
SAMPLE ID: DI10008822391
STRAIN:

DATE SAMPLED: 2022-08-08
DATE RECEIVED: 2022-08-09
DATE REPORTED: 2022-08-15
DATE PRINTED: 2022-08-15

Pesticide Scan	RESULT	UNIT	LOQ	HEALTH CANADA REPORTING LIMIT	METHOD REFERENCE
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.



C22221-92024

Results Authorized By:

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

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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 CBN - ISL22051CBN02

Packaged Date: N/A

Test Date: 220721

3rd Party Lab: High North Laboratories

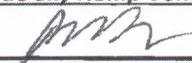
Report Date: 220727

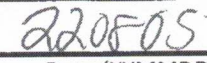
Storage Conditions: Maintain in a cool dry environment away from heat, moisture or sunlight.

Analysis	Results	Specification	Method Used
Aerobic Colony Count (cfu/g)	< 12	< 10,000 cfu/g	MIC-MTD-001
Total Yeast and Mould Count (cfu/g)	< 1.8	< 100 cfu/g	
Bile Tolerant Gram Negative Bacteria (cfu/g)	Absent*	< 100 cfu/g	
Salmonella (Present/Absent)	Absent	Absent in 25 g	
Eschericia coli (cfu/g)	Absent	Absent in 1 g	
Aflatoxin B1 (ng/g)	< 0.9	< 2 ng/g	LAB-MTD-010
Total Aflatoxins (ng/g) (sum of B1, B2, G1, G2)	< 4	< 4 ng/g	LAB-MTD-027
Arsenic (ppm)	< 0.05	≤ 0.2 ppm	
Cadmium (ppm)	< 0.01	≤ 0.2 ppm	
Lead (ppm)	< 0.02	≤ 0.5 ppm	
Mercury (ppm)	< 0.01	≤ 0.1 ppm	LAB-MTD-041
Pesticides (ug/g)	< Reporting Limits	< Reporting Limits	
Residual Pentane (%)	< 0.004	< 0.5 %	
Residual Ethanol (%)	< 0.003		
Residual Isopropanol (%)	< 0.001		
Cannabidiol (CBD) (%)	< 0.03	Report Value (%)	LAB-MTD-020
Cannabidiolic Acid (CBDA) (%)	< 0.03	Report Value (%)	
Total Potential CBD (%)	N/A	Report Value (%)	
Δ9-Tetrahydrocannabinol (THC) (%)	< 0.03	Report Value (%)	
Tetrahydrocannabinolic Acid (THCA) (%)	< 0.03	Report Value (%)	
Total Potential THC (%)	N/A	Report Value (%)	
Cannabinol (CBN) (%)	94.85	Report Value (%)	LAB-MTD-021
Cannabigerol (CBG) (%)	< 0.03	Report Value (%)	LAB-MTD-020
Δ8-Tetrahydrocannabinol (THC) (%)	< 0.03	Report Value (%)	

N/A = Not applicable

*NOTE: See planned deviation PDEV-2022-TT-007 regarding testing requirements as per client request.

 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)

00213532
Date: 2022-08-04
Certificate: 1659639535



High North Inc.
241 Hanlan Rd, Unit 7
Woodbridge, ON, L4L 3R7
1-416-864-6119
LIC-P4PNJMAC20-2022

Client: Blue Sky Hemp Ventures Strain: Isolate CBN
219 Apex Street, Lot: ISL22051CBN02
SASKATOON, SK, S7R3C1 Matrix: Oil
Name: Teegan Turchyn Sub-matrix: Isolate
3069863934 Sampled: 2022-07-20
tturchyn@blueskyhempventures.com Received: 2022-07-21

Certificate of Analysis

Cannabinoid Analysis	LOQ (%)	wt%	mg/g
Total THC [(THCA x 0.877) + D9-THC]		0	0
Total CBD [(CBDA x 0.877) + CBD]		0	0
CBN	0.03	94.852	948.516
THCA-A	0.03	ND	ND
CBC	0.03	ND	ND
D8-THC	0.03	ND	ND
THCV	0.03	ND	ND
D9-THC	0.03	ND	ND
CBG	0.03	ND	ND
CBD	0.03	ND	ND
CBDA	0.03	ND	ND
CBGA	0.03	ND	ND
CBDV	0.03	ND	ND
Total of all quantified cannabinoids:		94.852	948.516

Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, * = Mixture of Isomers

Authorized by:


Will Zhang, Quality Assurance Specialist

Mycotoxin Analysis	LOD (ppb)	LOQ (ppb)	RL (ppb)	Result (ppb)	Status
Aflatoxin-B1	0.9	2	2	ND	PASS
Aflatoxin-B2	0.8	2		ND	PASS
Aflatoxin-G1	0.9	2		ND	PASS
Aflatoxin-G2	0.8	2		ND	PASS
Sum of Aflatoxins:			4	0	PASS
Ochratoxin-A	9.4	20	20	ND	PASS

Microbial Analysis	LOD (CFU/g)	RL (CFU/g)	Result (CFU/g)	Status
Total Aerobic Count	12	50,000	ND	PASS
Bile-Tolerant Gram-Negative			Absent in 1g	PASS
Total Yeast and Mold Count	1.8	500	ND	PASS
S.aureus/P.aeruginosa			Absent in 1g	PASS
Salmonella			Absent in 25g	PASS
E.coli			Absent in 1g	PASS

Heavy Metals Analysis	LOD (ppm)	LOQ (ppm)	RL (ppm)	Result (ppm)	Status
Arsenic	0.05	0.2	0.2	ND	PASS
Cadmium	0.01	0.05	0.3	ND	PASS
Lead	0.02	0.5	0.5	ND	PASS
Mercury	0.01	0.05	0.1	ND	PASS

Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, * = Mixture of Isomers

Authorized by:


 Will Zhang, Quality Assurance Specialist

Residual Solvents Analysis	LOD (ppm)	LOQ (ppm)	RL (ppm)	Result (ppm)	Status
1-Butanol	22.7	1000	5,000	ND	PASS
1-Pentanol	28.9	1000	5,000	ND	PASS
1-Propanol	44.6	1000	5,000	ND	PASS
2-Butanol	20.1	1000	5,000	ND	PASS
2-Methyl-1-propanol	11.6	1000	5,000	ND	PASS
2-Propanol	13.3	1000	5,000	ND	PASS
3-Methyl-1-butanol	16.8	1000	5,000	ND	PASS
Acetone	19.4	1000	5,000	ND	PASS
Anisole	104	1000	5,000	ND	PASS
Butyl acetate	67.3	1000	5,000	ND	PASS
Dimethyl sulfoxide	55.8	1000	5,000	ND	PASS
Ethanol	34.5	1000	5,000	ND	PASS
Ethyl acetate	17.3	1000	5,000	ND	PASS
Ethyl ether	27	1000	5,000	ND	PASS
Ethyl formate	92.5	1000	5,000	ND	PASS
Heptane	19.2	1000	5,000	ND	PASS
Isobutyl acetate	28.4	1000	5,000	ND	PASS
Isopropyl acetate	13.5	1000	5,000	ND	PASS
Methyl acetate	26.9	1000	5,000	ND	PASS
Methylethyl ketone	13.1	1000	5,000	ND	PASS
Pentane	35.7	1000	5,000	ND	PASS
Propyl acetate	13.5	1000	5,000	ND	PASS
Tert-Butylmethyl ether	134.2	1000	5,000	ND	PASS
Triethylamine	22.4	1000	5,000	ND	PASS

Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, * = Mixture of Isomers

Authorized by:

Pesticides Analysis	LOD (ppm)	LOQ (ppm)	RL (ppm)	Result (ppm)	Status
Abamectin	0.0244	0.25	0.25	ND	PASS
Acephate	0.003	0.05	0.05	ND	PASS
Acequinocyl	0.1489	0.50		ND	PASS
Acetamiprid	0.0019	0.05	0.05	ND	PASS
Aldicarb	0.0458	0.5	0.5	ND	PASS
Allethrin	0.0306	0.1	0.1	ND	PASS
Azadirachtin	0.0638	0.5	0.5	ND	PASS
Azoxystrobin	0.0014	0.01	0.01	ND	PASS
Benzovindiflupyr	0.003	0.01	0.01	ND	PASS
Bifenazate	0.0024	0.01	0.01	ND	PASS
Bifenthrin	0.0259	0.10		ND	PASS
Boscalid	0.0022	0.01	0.01	ND	PASS
Buprofezin	0.0160	0.10		ND	PASS
Carbaryl	0.0046	0.025	0.025	ND	PASS
Carbofuran	0.0022	0.01	0.01	ND	PASS
Chlorantraniliprole	0.0146	0.10		ND	PASS
Chlorfenapyr	0.2688	1.5	1.5	ND	PASS
Chlorpyrifos	0.0143	0.5	0.5	ND	PASS
Clofentezine	0.0012	0.01	0.01	ND	PASS
Clothianidin	0.005	0.025	0.025	ND	PASS
Coumaphos	0.003	0.01	0.01	ND	PASS
Cyantraniliprole	0.0043	0.01	0.01	ND	PASS
Cyfluthrin	0.1434	0.50		ND	PASS
Cypermethrin	0.0451	0.30		ND	PASS
Cyprodinil	0.0023	0.01	0.01	ND	PASS
Daminozide	0.0351	0.30		ND	PASS
Deltamethrin	0.0305	0.10		ND	PASS
Diazinon	0.0163	0.10		ND	PASS
Dichlorvos	0.0127	0.05	0.05	ND	PASS
Dimethoate	0.0022	0.01	0.01	ND	PASS
Dimethomorph	0.0272	0.10		ND	PASS
Dinotefuran	0.0037	0.05	0.05	ND	PASS
Dodemorph	0.0247	0.10		ND	PASS
Endosulfan-alpha	0.1472	2.5	2.5	ND	PASS
Endosulfan-beta	0.2012	2.5	2.5	ND	PASS
Endosulfan sulfate	0.0181	2.5	2.5	ND	PASS
Ethoprophos	0.0029	0.01	0.01	ND	PASS
Etofenprox	0.0217	0.10		ND	PASS
Etoxazole	0.0161	0.10		ND	PASS
Etridiazol	0.0195	0.15	0.15	ND	PASS
Fenoxycarb	0.0032	0.01	0.01	ND	PASS
Fenpyroximate	0.0135	0.10		ND	PASS
Fensulfothion	0.0026	0.01	0.01	ND	PASS

Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, * = Mixture of Isomers

Authorized by:



Pesticides Analysis	LOD (ppm)	LOQ (ppm)	RL (ppm)	Result (ppm)	Status
Fenthion	0.0031	0.01	0.01	ND	PASS
Fenvalerate	0.1895	0.50		ND	PASS
Fipronil	0.0031	0.01	0.01	ND	PASS
Flonicamid	0.0047	0.025	0.025	ND	PASS
Fludioxonil	0.003	0.01	0.01	ND	PASS
Fluopyram	0.003	0.01	0.01	ND	PASS
Hexythiazox	0.0178	0.10		ND	PASS
Imazalil	0.0024	0.01	0.01	ND	PASS
Imidacloprid	0.0029	0.01	0.01	ND	PASS
Iprodione	0.0521	0.5	0.5	ND	PASS
Kinoprene	0.0895	1.25	1.25	ND	PASS
Kresoxim-methyl	0.0028	0.15	0.15	ND	PASS
Malathion	0.0023	0.01	0.01	ND	PASS
Metalaxyl	0.0022	0.01	0.01	ND	PASS
Methiocarb	0.003	0.01	0.01	ND	PASS
Methomyl	0.0041	0.025	0.025	ND	PASS
Methoprene	0.1350	0.50		ND	PASS
Mevinphos	0.0046	0.025	0.025	ND	PASS
MGK-264	0.2124	0.50		ND	PASS
Myclobutanil	0.005	0.01	0.01	ND	PASS
Naled	0.0245	0.10		ND	PASS
Novaluron	0.0031	0.025	0.025	ND	PASS
Oxamyl	0.0088	1.5	1.5	ND	PASS
Paclobutrazol	0.0033	0.01	0.01	ND	PASS
Parathion-methyl	0.2699	0.5		ND	PASS
Permethrin	0.0441	0.3		ND	PASS
Phenothrin	0.0583	0.30		ND	PASS
Phosmet	0.0157	0.30		ND	PASS
Piperonyl butoxide	0.0162	1.25	1.25	ND	PASS
Pirimicarb	0.002	0.01	0.01	ND	PASS
Prallethrin	0.0631	0.60		ND	PASS
Propiconazole	0.0178	0.10		ND	PASS
Propoxur	0.0025	0.01	0.01	ND	PASS
Pyraclostrobin	0.0029	0.01	0.01	ND	PASS
Pyrethrins	0.0221	0.10		ND	PASS
Pyridaben	0.0022	0.02	0.02	ND	PASS
Quintozene	0.1097	0.10		ND	PASS
Resmethrin	0.0098	0.05	0.05	ND	PASS
Spinetoram	0.0037	0.01	0.01	ND	PASS
Spinosad	0.0033	0.01	0.01	ND	PASS
Spirodiclofen	0.0801	0.3		ND	PASS
Spiromesifen	0.0200	0.10		ND	PASS
Spirotetramat	0.0032	0.01	0.01	ND	PASS

Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, * = Mixture of Isomers

Authorized by:


 Wil Zhang, Quality Assurance Specialist

Pesticides Analysis	LOD (ppm)	LOQ (ppm)	RL (ppm)	Result (ppm)	Status
Spiroxamine	0.0306	0.10		ND	PASS
Tebuconazole	0.0017	0.01	0.01	ND	PASS
Tebufenozide	0.0022	0.01	0.01	ND	PASS
Teflubenzuron	0.0037	0.025	0.025	ND	PASS
Tetrachlorvinphos	0.002	0.01	0.01	ND	PASS
Tetramethrin	0.0198	0.02		ND	PASS
Thiacloprid	0.0017	0.01	0.01	ND	PASS
Thiamethoxam	0.0019	0.01	0.01	ND	PASS
Thiophanate-methyl	0.0132	0.01		ND	PASS
Trifloxystrobin	0.0019	0.01	0.01	ND	PASS

Comments

This COA cancels and supersedes certificate ID 1658958487 dated 2022-07-27.
Reason for Revision: Revised Microbial Analysis specifications and added Ochratoxin testing per client request

Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, * = Mixture of Isomers

Authorized by:


Wil Zhang, Quality Assurance Specialist

Details of Testing

Cannabinoid Analysis

Analysis of 11 Cannabinoids by HPLC & UHPLC

Method LAB-MTD-020: Flower (LOQ 0.06%), Oil (LOQ 0.03%), Concentrates (LOQ 0.6%)

Method LAB-MTD-021: Isolates (LOQ 0.06%)

Method LAB-MTD-023: Tablets & Granules (LOQ 0.025%)

Method LAB-MTD-030: Topicals (LOQ 0.005%)

Method LAB-MTD-039: Determination of 5 Cannabinoids in Cannabis Edibles; Liquid Edibles (LOQ 0.0002%) and Solid Edibles (LOQ 0.005%)

Terpene Analysis

Profile of 42 terpenes by GC/MS

Method LAB-MTD-035: Cannabis Flower, Oil

Pesticide Analysis

Determination of 96 Pesticide Residues by LC/MS/MS and GC/MS/MS

Method LAB-MTD-010: Cannabis Flower, Oil

Method LAB-MTD-040: Determination of EP Pesticide Residue in Cannabis Oil by GCMSMS

Method LAB-MTD-041: Determination of EP Pesticide Residues in Cannabis Flower and Related Products by GCMSMS

Mycotoxin Analysis

Determination of Aflatoxins B1, B2, G1, G2 and Ochratoxin-A by LC/MS/MS

Method LAB-MTD-010: Cannabis Flower, Oil

Method LAB-MTD-029: Tablets

Method LAB-MTD-037: Topicals

Heavy Metal Analysis

Determination of Heavy Metal contamination (Arsenic, Cadmium, Lead & Mercury) by ICP/MS

Method LAB-MTD-027: Cannabis Flower, Oil, Topicals, Tablets

Residual Solvents Analysis

Determination of 24 Residual Solvents by GC/MS

Method LAB-MTD-036: Cannabis Oil

Method LAB-MTD-028: Tablets

Determination of Butane and Propane Residual Solvents in Cannabis Oil

Method LAB-MTD-034 (GC/MS): Cannabis Oil

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Abbreviations: wt% = percentage of weight, CFU = colony forming units, ppm = Parts per million, ppb = Parts per billion, ND = None Detected, BLQ = Below Limit of Quantification, LOQ = Limit of Quantification, LOD = Limit of Detection, RL = Reporting Limit, * = Mixture of Isomers

Authorized by:



Will Zhang, Quality Assurance Specialist

Details of Testing

Microbial Analysis, Powdery Mildew & Gender Determination

Molecular detection and quantitation by PCR & qPCR

Cannabis Flower, Oil, Cannabis-Infused Products

Method MIC-MTD-001 (TAMC, TYMC, BTGN, E.coli, Salmonella, Staph/Pseudomonas)

Method MIC-MTD-005: (Powdery Mildew & Gender Determination)

Method MIC-MTD-006: Determination of Viruses in Cannabis via qPCR and ELISA

Moisture Analysis

Water Activity & Moisture Content (Loss on Drying)

Method LAB-MTD-017 (Loss on Drying; Dry flower only)

Method LAB-MTD-031 (Water activity, a_w)

Foreign Matter Analysis

Visual/Magnified Inspection for Foreign Matter

Method LAB-MTD-022

Total Ash Analysis

Method LAB-MTD-043: Total Ash by Muffle Furnace in Cannabis Products

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