



Certificate of Analysis

2016 US-2 | Waterbury, VT 05676
www.nslvt.com
(802) 917-8294

cattis vt

PO Box 1350
Hardwick, VT 05843
eric@cattisvt.com
(570) 352-4996
Lic. #

Sample: 2005NSL0200.0553

Strain: hemp
Batch#: ; Batch Size: g
Sample Received: 05/15/2020; Report Created: 05/18/2020; Expires: 06/17/2020

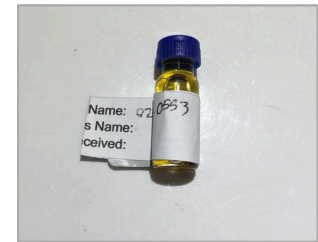
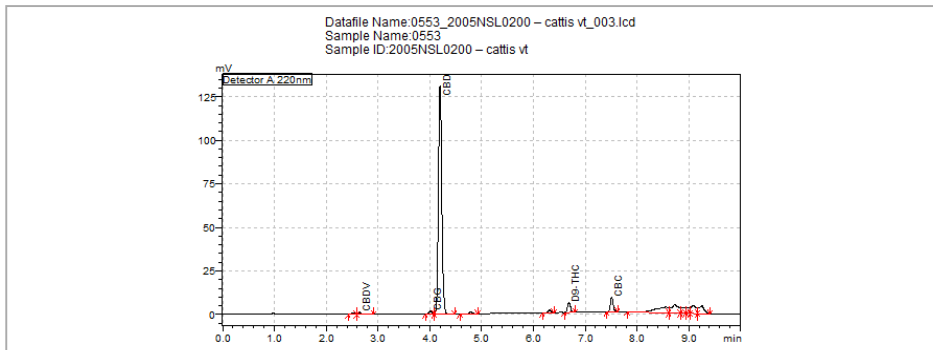
Sample Name: MCT-20-0514-1316

Ingestible, Tincture, CO2



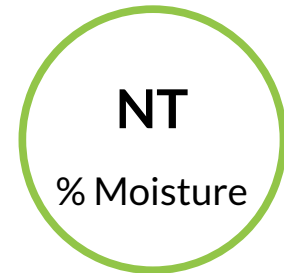
Potency Test Result

Full spectrum cannabinoid profiling utilizing High Pressure Liquid Chromatography (HPLC)



Cannabinoid Summary

Cannabinoid Profile	%	mg/g
Tetrahydrocannabinolic Acid (THCa)	ND	ND
Tetrahydrocannabinol (Δ 9-THC)	0.142	1.42
Tetrahydrocannabinol (Δ 8-THC)	ND	ND
Tetrahydrocannabivarin (THCv)	ND	ND
Cannabidiolic Acid (CBDa)	ND	ND
Cannabidiol (CBD)	3.493	34.93
Cannabidivarin (CBDv)	<LOQ	<LOQ
Cannabinol (CBN)	ND	ND
Cannabigerolic Acid (CBGa)	ND	ND
Cannabigerol (CBG)	<LOQ	<LOQ
Cannabichromene (CBC)	0.201	2.01
Total THC	0.142%	1.422 mg/g
Total CBD	3.493	34.926



Total THC = THCa * 0.877 + Δ 9-THC; Total CBD = CBDa * 0.877 + CBD; Instrument: High Pressure Liquid Chromatography (HPLC); LOQ = Limit of Quantitation; ND = Not Detected



Vinnie Zachary
Lab Director

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Values reported relate only to the product tested. NSL makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without written approval of NSL.



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Sample: 2005NSL0200.0554

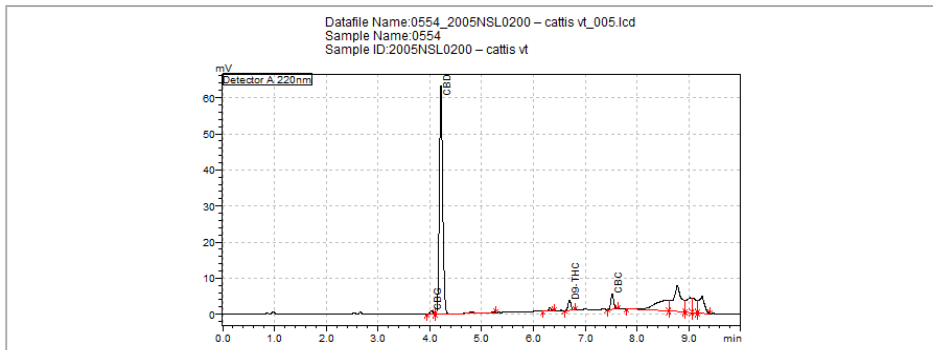
Strain: hemp
Batch#: ; Batch Size: g
Sample Received: 05/15/2020; Report Created: 05/18/2020; Expires: 06/17/2020

Sample Name: MCT-20-0514-1400
Ingestible, Tincture, CO2



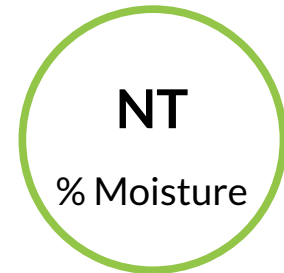
Potency Test Result

Full spectrum cannabinoid profiling utilizing High Pressure Liquid Chromatography (HPLC)



Cannabinoid Summary

Cannabinoid Profile	%	mg/g
Tetrahydrocannabinolic Acid (THCa)	ND	ND
Tetrahydrocannabinol (Δ^9 -THC)	<LOQ	<LOQ
Tetrahydrocannabinol (Δ^8 -THC)	ND	ND
Tetrahydrocannabivarin (THCv)	ND	ND
Cannabidiolic Acid (CBDa)	ND	ND
Cannabidiol (CBD)	1.805	18.05
Cannabidivarin (CBDv)	ND	ND
Cannabinol (CBN)	ND	ND
Cannabigerolic Acid (CBGa)	ND	ND
Cannabigerol (CBG)	<LOQ	<LOQ
Cannabichromene (CBC)	0.113	1.13
Total THC	NR	NR
Total CBD	1.805	18.052



Total THC = THCa * 0.877 + Δ^9 -THC; Total CBD = CBDa * 0.877 + CBD; Instrument: High Pressure Liquid Chromatography (HPLC); LOQ = Limit of Quantitation; ND = Not Detected



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Sample: 2005NSL0200.0555

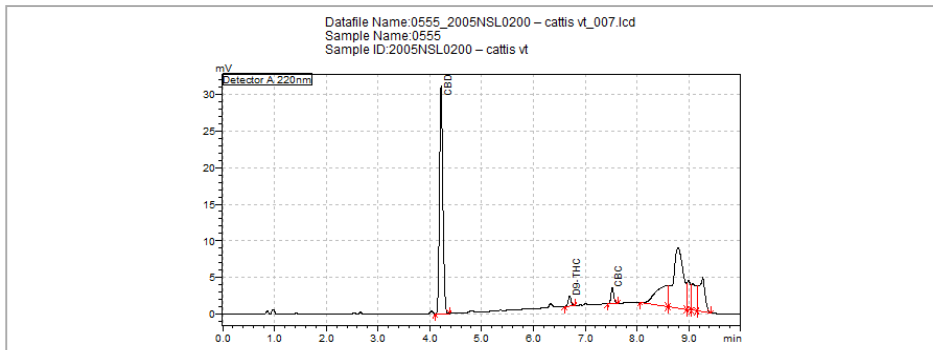
Strain: hemp
Batch#: ; Batch Size: g
Sample Received: 05/15/2020; Report Created: 05/18/2020; Expires: 06/17/2020

Sample Name: BAL-20-0514-1412
Ingestible, Tincture, CO2



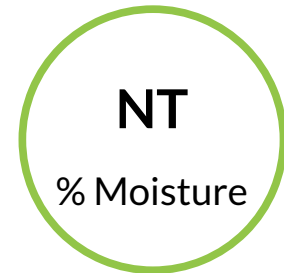
Potency Test Result

Full spectrum cannabinoid profiling utilizing High Pressure Liquid Chromatography (HPLC)



Cannabinoid Summary

Cannabinoid Profile	%	mg/g
Tetrahydrocannabinolic Acid (THCa)	ND	ND
Tetrahydrocannabinol (Δ^9 -THC)	<LOQ	<LOQ
Tetrahydrocannabinol (Δ^8 -THC)	ND	ND
Tetrahydrocannabivarin (THCv)	ND	ND
Cannabidiolic Acid (CBDa)	ND	ND
Cannabidiol (CBD)	0.908	9.08
Cannabidivarin (CBDv)	ND	ND
Cannabinol (CBN)	ND	ND
Cannabigerolic Acid (CBGa)	ND	ND
Cannabigerol (CBG)	ND	ND
Cannabichromene (CBC)	<LOQ	<LOQ
Total THC	NR	NR
Total CBD	0.908	9.082



Total THC = THCa * 0.877 + Δ^9 -THC; Total CBD = CBDa * 0.877 + CBD; Instrument: High Pressure Liquid Chromatography (HPLC); LOQ = Limit of Quantitation; ND = Not Detected

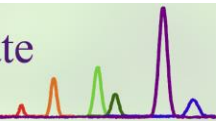


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Certificate ID: **82414**

Received: **5/28/20**

Scan QR Code
for authenticity



CATTIS LLC

5 State Street Apt 2

Montpelier, VT 05602

Attn: Eric Kawka

Client Sample ID: **R-CBD-20-0514-0800**

Lot Number:

Matrix: **Concentrates/Extracts - CO2**

Authorization: Chris Hudalla, Chief Science Officer	Signature: 	Date: 6/11/2020
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The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

HM: Heavy Metal Analysis [WI-10-13]

Analyst: *CJS*

Test Date: *6/10/2020*

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

82414-HM

Symbol	Metal	Conc. ¹ (µg/kg)	RL	Use Limits ² (µg/kg)		Status
				All	Ingestion	
As	Arsenic	ND	50	200	1500	PASS
Cd	Cadmium	ND	50	200	500	PASS
Hg	Mercury	ND	50	100	1500	PASS
Pb	Lead	ND	50	500	1000	PASS

- 1) ND = None detected to Lowest Limits of Detection (LLD)
- 2) MA Dept. of Public Health: Protocol for MMJ and MIPS, Exhibit 4(a) for all products.
- 3) USP exposure limits based on daily oral dosing of 1g of concentrate for a 110 lb person.

MY: Mycotoxin Testing [WI-10-05]

Analyst: SRL

Test Date: 6/1/2020

This test method was performed in accordance with the requirements of ISO/IEC 17025. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

82414-MY

Test ID	Date	Results	MDL	Limits	Status*
Total Aflatoxin	6/1/2020	< MDL	2 ppb	< 20 ppb	PASS
Total Ochratoxin	6/1/2020	< MDL	3 ppb	< 20 ppb	PASS

PST: Pesticide Analysis [WI-10-11]

Analyst: CJR

Test Date: 6/8/2020

The client sample was analyzed for pesticides using Liquid Chromatography with Mass Spectrometric detection (LC/MS/MS). The method used for sample prep was based on the European method for pesticide analysis (EN 15662).

82414-PST

Analyte	CAS	Result	Units	LLD	Limits (ppb)	Status
Abamectin	71751-41-2	ND	ppb	0.20	300	PASS
Spinosad	168316-95-8	ND	ppb	0.10	3000	PASS
Pyrethrin	8003-34-7	ND	ppb	0.10	1000	PASS
Trifloxystrobin	141517-21-7	ND	ppb	0.10	30000	PASS
Spirotetramat	203313-25-1	ND	ppb	0.10	13000	PASS
Spiromesifen	283594-90-1	ND	ppb	0.10	12000	PASS
Piperonyl butoxide	51-03-6	ND	ppb	0.10	8000	PASS
Paclobutrazol	76738-62-0	ND	ppb	0.10	10	PASS
Myclobutanil	88671-89-0	ND	ppb	0.10	9000	PASS
Imidacloprid	138261-41-3	ND	ppb	0.10	3000	PASS
Imazalil	35554-44-0	ND	ppb	0.10	10	PASS
Fenoxycarb	72490-01-8	ND	ppb	0.10	10	PASS
Etoxazole	153233-91-1	ND	ppb	0.10	1500	PASS
Dichlorvos	62-73-7	ND	ppb	3.00	10	PASS
Cyfluthrin	68359-37-5	ND	ppb	0.50	1000	PASS
Bifenthrin	82657-04-3	ND	ppb	0.20	500	PASS
Bifenazate	149877-41-8	ND	ppb	0.10	5000	PASS
Azoxystrobin	131860-33-8	ND	ppb	0.10	40000	PASS

* Testing limits for ingestion established by the State of California: CCR, Title 16, Division 42, Chapter 5, Section 5313. ND indicates "none detected" above the lower limit of detection (LLD). Analytes marked with (*) indicate analytes for which no recovery was observed for a pre-spiked matrix sample.

END OF REPORT