



6000mg- Batch INN04-02

Indigo Naturals

Test Result UID: ANL0030196

Lot Inventory ID:

316 Mid Valley Center

Lab Inventory ID:

#283

Date Tested: 12/04/2019

Serving Size:

1 Bottle (30 ml) = 30.105 g

Carmel, CA 93923

US



Summary

6802.65 mg/s Total Cannabinoids	Pass Microbial	Not Tested Mycotoxins	Pass Residual Solvents	Not Tested Pesticides	Not Tested Heavy Metals
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Cannabinoids

Testing method: HPLC-SOP 0011

Analyte	LOD	LOQ	Mass	Mass
Δ9-THC-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
Δ9-THC	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
Δ9-THCV	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
Δ8-THC	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBN	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBD-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBD	0.000 mg/g	0.001 mg/g	225.964 mg/g	6802.646 mg/s
CBDV-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBDV	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBG-A	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBG	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s
CBC	0.000 mg/g	0.001 mg/g	ND mg/g	ND mg/s

Terpenes

Testing method: HSGCFID-SOP 0030

Analyte	LOD	LOQ	Mass	Mass
α-Pinene	0.00 mg/g	0.01 mg/g	NT	NT
β-Pinene	0.00 mg/g	0.01 mg/g	NT	NT
Myrcene	0.00 mg/g	0.01 mg/g	NT	NT
Ocimene	0.00 mg/g	0.01 mg/g	NT	NT
Limonene	0.00 mg/g	0.01 mg/g	NT	NT
Terpinolene	0.00 mg/g	0.01 mg/g	NT	NT
Linalool	0.00 mg/g	0.01 mg/g	NT	NT
Caryophyllene	0.00 mg/g	0.01 mg/g	NT	NT
Humulene	0.00 mg/g	0.01 mg/g	NT	NT

ND mg/s
Total THC

6802.65 mg/s
Total CBD

Not Tested
Total Terpenes

Total THC = Δ9-THC-A * 0.877 + Δ9-THC
Total CBD = CBD-A * 0.877 + CBD
LOQ = Limit of Quantification; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected
The values reported pertain only to the product tested.

Not Tested Moisture SOP-0009	Not Tested Water Activity SOP-0053	Not Tested Foreign Matter SOP-0010
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Analytical 360, LLC certifies that the results presented are true and correct to the best of our knowledge. These results relate only to the sample provided by the client to Analytical 360, LLC.

Reference Lab
Analytical 360, LLC subcontracts the following assays:
Mycotoxins performed by Capitol Analysis (WSLCB Lab #0022)
Pesticides and Heavy Metals performed by Medicine Creek Analytics (WSLCB Lab #0018)

Approved By

Paul D. Matthews, Ph.D.

Paul Matthews, Ph.D.
Executive Lab Director / Chief Science Officer



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316 Mid Valley Center
#283
Carmel, CA 93923
US

Residual Solvents Testing method: HSGCFID-SOP 0020

Analyte	LOD	LOQ	Action Level	Mass
Propane	1 ppm	20 ppm	5000 ppm	ND ppm
Isobutane	1 ppm	20 ppm	5000 ppm	ND ppm
Butane	1 ppm	20 ppm	5000 ppm	ND ppm
Ethanol	1 ppm	20 ppm	No Limit	NT
Acetone	1 ppm	20 ppm	5000 ppm	ND ppm
Toluene	1 ppm	20 ppm	890 ppm	ND ppm
Pentane	1 ppm	20 ppm	5000 ppm	ND ppm
Isopropanol	1 ppm	20 ppm	5000 ppm	ND ppm
Hexane	1 ppm	20 ppm	290 ppm	ND ppm
Heptane	1 ppm	20 ppm	5000 ppm	ND ppm
Isopentane	1 ppm	20 ppm	5000 ppm	ND ppm
Tetrahydrofuran	1 ppm	20 ppm	720 ppm	ND ppm
Methanol	1 ppm	20 ppm	3000 ppm	ND ppm
Acetonitrile	1 ppm	20 ppm	410 ppm	ND ppm
Dichloromethane	1 ppm	20 ppm	600 ppm	ND ppm
Ethyl Acetate	1 ppm	20 ppm	5000 ppm	ND ppm
Chloroform	1 ppm	2 ppm	2 ppm	ND ppm
Cyclohexane	1 ppm	20 ppm	3900 ppm	ND ppm
Benzene	1 ppm	2 ppm	2 ppm	ND ppm
Ethyl Benzene	1 ppm	20 ppm	2200 ppm	ND ppm
m + p Xylenes	1 ppm	20 ppm	2200 ppm	ND ppm
o Xylene	1 ppm	20 ppm	2200 ppm	ND ppm
Total Xylenes	1 ppm	20 ppm	2200 ppm	ND ppm

LOQ = Limit of Quantification; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected
ppm = Parts Per Million

The values reported pertain only to the product tested.

ND ppm
Total Solvents



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Approved By
Paul D. Matthews, Ph.D.
Paul Matthews, Ph.D.
Executive Lab Director / Chief Science Officer

Certificate ID: **54660**

 Received: **5/14/19**

 Scan QR Code
 for authenticity

Beyond Botanicals LLC

 Client Sample ID: **CBD Isolate Q2 2019**
115 Hurley Rd #8

 Lot Number: **CC190088E**
Oxford, CT 06478

 Matrix: **Concentrates/Extracts - Isolate**
Attn: Mark Maher

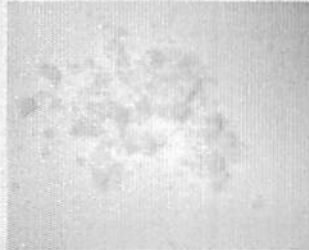
Authorization:

Jon Podgorni, Lab Manager

Signature:

Date:

6/3/2019



The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2005. 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.

CN: Cannabinoid Profile & Potency [W1-10-17 & W1-10-17-01]

 Analyst: *JSG*

 Test Date: *5/15/2019*

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

54660-CN

ID	Weight %	Concentration			
D9-THC	ND	ND			
THCV	ND	ND			
CBD	99.16 wt %	991.60 mg/g			
CBDV	0.29 wt %	2.90 mg/g			
CBG	ND	ND			
CBC	0.01 wt %	0.12 mg/g			
CBN	ND	ND			
THCA	ND	ND			
CBDA	ND	ND			
CBGA	ND	ND			
D8-THC	ND	ND			
exo-THC	ND	ND			
Total	99.46 wt%	994.62 mg/g	0%	Cannabinoids (wt%)	99.2%
Max THC	-	-			
Max CBD	99.16 wt%	991.60 mg/g			

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: Max THC = (0.877 x THCA) + THC. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND = None detected above the limits of detection (LLD)

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

Analyst: JFD

Test Date: 5/16/2019

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.

54660-HM

Symbol	Metal	Conc. ¹	Units	MDL	Use Limits ²		Units	Status
					All	Ingestion		
As	Arsenic	ND	µg/kg	4	200	1500	µg/kg	PASS
Cd	Cadmium	ND	µg/kg	1	200	500	µg/kg	PASS
Hg	Mercury	ND	µg/kg	2	100	1500	µg/kg	PASS
Pb	Lead	ND	µg/kg	2	500	1000	µg/kg	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.

MB1: Microbiological Contaminants [WI-10-09]

Analyst: MM

Test Date: 5/15/2019

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.

54660-MB1

Symbol	Analysis	Results	Units	Limits*	Status
AC	Total Aerobic Bacterial Count	<100	CFU/g	10,000 CFU/g	PASS
CC	Total Coliform Bacterial Count	<100	CFU/g	100 CFU/g	PASS
EB	Total Bile Tolerant Gram Negative Count	<100	CFU/g	100 CFU/g	PASS
YM	Total Yeast & Mold	<100	CFU/g	1,000 CFU/g	PASS

Note: All recorded Microbiological tests are within the established limits.

MB2: Pathogenic Bacterial Contaminants [WI-10-10]

Analyst: LabAdmin

Test Date: 5/16/2019

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.

54660-MB2

Test ID	Analysis	Results	Units	Limits*	Status
54660-ECPT	E. coli (O157)	Negative	NA	Non Detected	PASS
54660-SPT	Salmonella	Negative	NA	Non Detected	PASS

Note: All recorded pathogenic bacteria tests passed.

PST: Pesticide Analysis [WI-10-11]

Analyst: RAS

Test Date: 6/3/2019

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).

54660-PST

Analyte	CAS	Result	Units	LLD	Limits (ppb)	Status
Abamectin B1a	65495-55-3	ND	ppb	0.20	300	PASS
Abamectin B1b	65195-56-4	ND	ppb	0.20	300	PASS
Azoxystrobin	131860-33-8	ND	ppb	0.10	40000	PASS
Bifenazate	149877-41-8	ND	ppb	0.10	5000	PASS
Bifenthrin	82657-04-3	ND	ppb	0.20	500	PASS
Cyfluthrin	68359-37-5	ND	ppb	0.50	1000	PASS
Daminozide	1596-84-5	ND	ppb	10.00	10	*
Etoxazole	153233-91-1	ND	ppb	0.10	1500	PASS
Fenoxycarb	72490-01-8	ND	ppb	0.10	10	PASS
Imazalil	35554-44-0	ND	ppb	0.10	10	PASS
Imidacloprid	138261-41-3	ND	ppb	0.10	3000	PASS
Myclobutanil	88671-89-0	ND	ppb	0.10	9000	PASS
Paclobutrazol	76738-62-0	ND	ppb	0.10	10	PASS
Piperonyl butoxide	51-03-6	ND	ppb	0.10	8000	PASS
Pyrethrin	8003-34-7	ND	ppb	0.1	1000	PASS
Spinosad	168316-95-8	ND	ppb	0.1	3000	PASS
Spiromesifen	283594-90-1	ND	ppb	0.10	12000	PASS
Spirotetramat	203313-25-1	ND	ppb	0.10	13000	PASS
Trifloxystrobin	141517-21-7	ND	ppb	0.10	30000	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.

TP: Terpenes Profile [WI-10-27]

Analyst: CMA

Test Date: 5/17/2019

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations. All values are qualitative based on recorded peak areas

54660-TP

Compound	ppm	Quantitative Profile	Compound	ppm	Quantitative Profile	
isopulegol			beta-caryophyllene			
menthol*			beta-pinene			
linalool	3		delta-3-carene			
caryophyllene oxide			L-fenchone*			
guaial			beta-myrcene			
Sabinene*			alpha-phellandrene*			
p-cymene			alpha-ocimene			
Camphene			D-limonene			
eucalyptol			cis-beta-ocimene			
geraniol			gamma-terpinene			
terpinolene			alpha-humulene			
alpha-bisabolol			cis-nerolidol			
alpha-pinene			trans-nerolidol			
alpha-terpinene						
	ppm 0.00	5.00	10.00	0.00	5.00	10.00
Total Terpene: <0.1 wt%						

VC: Analysis of Volatile Organic Compounds [WI-10-28]

Analyst: CMA

Test Date: 5/20/2019

The client sample was analyzed by Head-Space Gas Chromatography (HS-GC). The collected data was compared to data collected for certified reference standards at known concentrations.

54660-VC

Compound	CAS	Amount ¹	Limit ²	RL	Status
Propane	74-98-6	ND	1,000 ppm	200	PASS
Isobutane	75-28-5	ND	1,000 ppm	200	PASS
Butane	106-97-8	ND	1,000 ppm	200	PASS
Methanol	67-56-1	ND	3,000 ppm	200	PASS
Ethanol	64-17-5	ND	5,000 ppm	200	PASS
Acetone	67-64-1	ND	5,000 ppm	200	PASS
Isopropanol	67-63-0	ND	5,000 ppm	200	PASS
Acetonitrile	75-05-8	ND	410 ppm	200	PASS
Hexane	110-54-3	ND	290 ppm	200	PASS
Heptane	142-82-5	ND	5,000 ppm	200	PASS

1) ND = Not detected at a level greater than the Reporting Limit (RL).

2) In ppm, based on USP recommended limits for residual solvents, adopted by the Massachusetts Department of Public Health on 3/31/16. Butane/Propane limits are based on limits established for state of Colorado.

END OF REPORT