



Certificate of Analysis

Sample: DA00806011-001

Harvest/Lot ID: FS0124

Seed to Sale #N/A

Batch Date :N/A

Batch#: 2-0124A

Sample Size Received: 15 ml

Retail Product Size: 30 ml

Ordered : 08/04/20

Sampled : 08/04/20

Completed: 08/10/20 Expires: 08/10/21

Sampling Method: SOP Client Method

Aug 10, 2020 | Tonic CBD

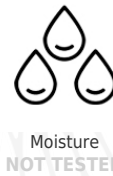
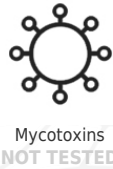
2566 Pennsylvania Ave
Sayre, PA, 18840,



PASSED

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PRODUCT IMAGE SAFETY RESULTS



MISC.

CANNABINOID RESULTS



Total THC
0.111%



Total CBD
2.102%



Total Cannabinoids
2.375%

CBC	CBD	CBDA	CBDV	CBG	CBGA	CBN	D8-THC	D9-THC	THCA	THCV
0.080%	2.102%	ND	0.011%	0.023%	0.048%	ND	ND	0.111%	ND	ND
0.800 mg/g	21.020 mg/g	ND	0.110 mg/g	0.230 mg/g	0.480 mg/g	ND	ND	1.110 mg/g	ND	ND
LOD 0.001 %	0.0001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.0001 %	0.001 %	0.001 %

Cannabinoid Profile Test

Analyzed by 450	Weight 3.0305g	Extraction date : 08/06/20 10:08:59	Extracted By : 965
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 08/07/20 13:00:27	
Analytical Batch -DA014570POT Instrument Used : DA-LC-001		Batch Date : 08/06/20 10:36:24	

Reagent	Dilution	Consums. ID
032320.30	400	280678841
080620.R21		918C4-918J
080620.R20		914C4-914AK
		929C6-929H

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L).

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Jorge Segredo
Lab Director

State License # CMTL-0002
ISO Accreditation # 97164



Signature

08/10/2020

Signed On



Certificate of Analysis

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Tonic CBD

2566 Pennsylvania Ave
Sayre, PA, 18840,
Telephone: (516)313-6443
Email: mona@bardolabs.com

Sample : DA00806011-001
Harvest/LOT ID: FS0124

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Sample Method : SOP Client Method

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Residual Solvents

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Residual Solvents

PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	250	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

Analyzed by 850 **Weight** 0.0207g **Extraction date** 08/06/20 04:08:16 **Extracted By** 850

Analysis Method -SOP.T.40.032
Analytical Batch -DA014593SOL **Reviewed On - 08/07/20 14:56:43**
Instrument Used : DA-GCMS-002
Batch Date : 08/06/20 16:06:02

Reagent	Dilution	Consums. ID
	1	H2017.077 00279984 161291-1

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 21 Residual solvents.(Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS).

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	Microbials	PASSED
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Analyte

ASPERGILLUS_FLAVUS
ASPERGILLUS_FUMIGATUS
ASPERGILLUS_NIGER
ASPERGILLUS_TERREUS
ESCHERICHIA_COLI_SHIGELLA_SPP
SALMONELLA_SPECIFIC_GENE

Result

not present in 1 gram.
not present in 1 gram.
not present in 1 gram.
not present in 1 gram.
not present in 1 gram.
not present in 1 gram.

Analysis Method -SOP.T.40.043 / SOP.T.40.044

Analytical Batch -DA014555MIC Batch Date : 08/06/20

Instrument Used : PathogenDX PCR_Array Scanner DA-111,PathogenDX PCR_DA-013

Analyzed by	Weight	Extraction date	Extracted By
513	1.0061g	08/06/20	1082

Reagent	Consums. ID	Consums. ID	Consums. ID	Consums. ID
052620.17	181019-274	50AX30819	D004	2808005
101619.01	SG298A	19423	2807007	2811017
	11989-024CC-024	080717	2809004	
	181207119C	850C6-850H	2810014D	
	918C4-918J	2802019	029	
	914C4-914AK	2803029	2804025	

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

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