

10427 Cogdill Road, Suite 500
Knoxville, TN, 37932, US
DEA Number: RC0639128

Sample: KN40430003-002
Harvest/Lot ID: 10D2410
Batch#: 10D2410
Sample Size Received: 30 ml
Retail Product Size: 30 ml
Ordered : 04/25/24
Sampled : 04/25/24
Completed: 05/02/24

Certificate of Analysis

May 02, 2024 | BioSerene, Inc
4398 SW Port Way
Palm City, FL, 34990, US

BioSerene

PASSED

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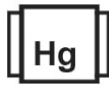
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
NOT TESTED

MISC.



Potency

PASSED



Total THC
0.0166%



Total CBD
5.662%



Total Cannabinoids
5.7612%

	CBDVA	CBDV	CBDA	CBGA	CBG	CBD	D9-THCV	D8-THCV	CBN	D9-THC	D8-THC	D10-THC	CBC	THCA
%	ND	0.0314	ND	ND	0.0156	5.662	ND	ND	0.011	0.0166	<0.01	ND	0.0246	ND
mg/ml	ND	0.3014	ND	ND	0.1497	54.3552	ND	ND	0.1056	0.1593	<0.096	ND	0.2361	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
%		%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by: 2990 Weight: 0.2043g Extraction date: 04/30/24 10:04:44 Extracted by: 2990

Analysis Method : SOP.T.30.031.TN & SOP.T.40.031.TN Expanded Measurement of Uncertainty: Flower Matrix d9-THC: ± 0.100, THCa: ± 0.124, TOTAL THC ± 0.112. These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor k=2 for a normal distribution.

Analytical Batch : KN004761POT

Instrument Used : E-SHI-008

Running on : N/A

Reviewed On : 05/01/24 14:38:17

Batch Date : 04/29/24 10:27:42

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). All cannabinoids have an LOQ of 0.01%.

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Darren Converse

Lab Director

State License # n/a
ISO Accreditation # 17025:2017


Signature

05/02/24

Signed On



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Sample Size Received : 30 ml
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4398 SW Port Way
Palm City, FL, 34990, US
Telephone: (772) 907-7900
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Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.012	ppm	0.3	PASS	ND	PIPERONYL BUTOXIDE	0.006	ppm	3	PASS	ND
ACEPHATE	0.008	ppm	3	PASS	ND	PRALLETHRIN	0.008	ppm	0.4	PASS	ND
ACEQUINOCYL	0.038	ppm	2	PASS	ND	PROPICONAZOLE	0.007	ppm	1	PASS	ND
ACETAMIPRID	0.009	ppm	3	PASS	ND	PROPOXUR	0.008	ppm	0.1	PASS	ND
ALDICARB	0.009	ppm	0.1	PASS	ND	PYRETHRINS	0.002	ppm	1	PASS	ND
AZOXYSTROBIN	0.013	ppm	3	PASS	ND	PYRIDABEN	0.007	ppm	3	PASS	ND
BIFENAZATE	0.028	ppm	3	PASS	ND	SPINETORAM	0.004	ppm	3	PASS	ND
BIFENTHRIN	0.047	ppm	0.5	PASS	ND	SPIROMESIFEN	0.009	ppm	3	PASS	ND
BOSCALID	0.007	ppm	3	PASS	ND	SPIROTETRAMAT	0.009	ppm	3	PASS	ND
CARBARYL	0.015	ppm	0.5	PASS	ND	SPIROXAMINE	0.006	ppm	0.1	PASS	ND
CARBOFURAN	0.008	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.009	ppm	1	PASS	ND
CHLORANTRANILIPROLE	0.012	ppm	1	PASS	ND	THIACLOPRID	0.008	ppm	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.008	ppm	3	PASS	ND	THIAMETHOXAM	0.009	ppm	1	PASS	ND
CHLORPYRIFOS	0.014	ppm	0.1	PASS	ND	TOTAL SPINOSAD	0.009	ppm	3	PASS	ND
CLOFENTEZINE	0.006	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.009	ppm	3	PASS	ND
COUMAPHOS	0.009	ppm	0.1	PASS	ND						
CYPERMETHRIN	0.01	ppm	1	PASS	ND						
DAMINOZIDE	0.006	ppm	0.1	PASS	ND						
DIAZANON	0.006	ppm	0.2	PASS	ND						
DICHLORVOS	0.014	ppm	0.1	PASS	ND						
DIMETHOATE	0.009	ppm	0.1	PASS	ND						
DIMETHOMORPH	0.009	ppm	3	PASS	ND						
ETHOPROPHOS	0.007	ppm	0.1	PASS	ND						
ETOFENPROX	0.009	ppm	0.1	PASS	ND						
ETOXAZOLE	0.007	ppm	1.5	PASS	ND						
FENHEXAMID	0.005	ppm	3	PASS	ND						
FENOXYCARB	0.007	ppm	0.1	PASS	ND						
FENPYROXIMATE	0.006	ppm	2	PASS	ND						
FIPRONIL	0.008	ppm	0.1	PASS	ND						
FLONICAMID	0.014	ppm	2	PASS	ND						
FLUDIOXONIL	0.011	ppm	3	PASS	ND						
HEXYTHIAZOX	0.009	ppm	2	PASS	ND						
IMAZALIL	0.01	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.005	ppm	3	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND						
MALATHION	0.009	ppm	2	PASS	ND						
METALAXYL	0.008	ppm	3	PASS	ND						
METHIOCARB	0.008	ppm	0.1	PASS	ND						
METHOMYL	0.009	ppm	0.1	PASS	ND						
MEVINPHOS	0.001	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.006	ppm	3	PASS	ND						
NALED	0.023	ppm	0.5	PASS	ND						
OXAMYL	0.009	ppm	0.5	PASS	ND						
PACLOBUTRAZOL	0.007	ppm	0.1	PASS	ND						
PERMETHRINS	0.008	ppm	1	PASS	ND						
PHOSMET	0.009	ppm	0.2	PASS	ND						

Analyzed by: 2803 Weight: 1.0012g Extraction date: 04/30/24 09:30:50 Extracted by: 2803
 Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN
 Analytical Batch : KN004764PES Reviewed On : 05/02/24 12:13:46
 Instrument Used : E-SHI-125 Batch Date : 04/30/24 09:22:57
 Running on : N/A

Testing for agricultural agents is performed utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry.
 *Based on FL action limits.

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Darren Converse
Lab Director
State License # n/a
ISO Accreditation # 17025:2017

D Converse
Signature

05/02/24
Signed On



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DEA Number: RC0639128

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PASSED

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Palm City, FL, 34990, US
Telephone: (772) 907-7900
Email: shai@biosereneinc.com

Sample : KN40430003-002
Harvest/Lot ID: 10D2410
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Sampled : 04/25/24
Ordered : 04/25/24

Sample Size Received : 30 ml
Completed : 05/02/24 Expires: 05/02/25

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Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	100	ppm	5000	PASS	ND
BUTANES (N-BUTANE)	100	ppm	5000	PASS	ND
METHANOL	20	ppm	250	PASS	ND
ETHYLENE OXIDE	0.2	ppm	5	PASS	ND
PENTANES (N-PENTANE)	32	ppm	750	PASS	ND
ETHANOL	100	ppm	5000	PASS	ND
ETHYL ETHER	10	ppm	500	PASS	ND
1,1-DICHLOROETHENE	0.6	ppm	8	PASS	ND
ACETONE	40	ppm	750	PASS	ND
2-PROPANOL	25	ppm	500	PASS	ND
ACETONITRILE	20	ppm	60	PASS	ND
DICHLOROMETHANE	2	ppm	125	PASS	ND
N-HEXANE	10	ppm	250	PASS	ND
ETHYL ACETATE	11	ppm	400	PASS	ND
CHLOROFORM	0.04	ppm	2	PASS	ND
BENZENE	0.03	ppm	1	PASS	ND
1,2-DICHLOROETHANE	0.05	ppm	2	PASS	ND
HEPTANE	53	ppm	5000	PASS	<275
TRICHLOROETHYLENE	0.5	ppm	25	PASS	ND
TOLUENE	5	ppm	150	PASS	ND
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm	150	PASS	ND

Analyzed by: 3050	Weight: 0.0206g	Extraction date: 04/30/24 18:14:48	Extracted by: 3050
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Analysis Method : SOP.T.40.041.TN	Reviewed On : 04/30/24 17:58:36
Analytical Batch : KN004763SOL	Batch Date : 04/29/24 18:00:00
Instrument Used : E-SHI-106	
Running on : N/A	

Residual solvents analysis is performed using Gas Chromatography / Mass Spectrometry. *Based on FL action limits.

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Lab Director
State License # n/a
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Signature

05/02/24
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Palm City, FL, 34990, US
Telephone: (772) 907-7900
Email: shai@biosereneinc.com

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Harvest/Lot ID: 10D2410
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Sampled : 04/25/24
Ordered : 04/25/24

Sample Size Received : 30 ml
Completed : 05/02/24 Expires: 05/02/25

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Microbial						Mycotoxins					
PASSED						PASSED					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS		AFLATOXIN G2	0.0016	ppm	ND	PASS	0.02
SALMONELLA SPECIFIC GENE			Not Present	PASS		AFLATOXIN G1	0.0012	ppm	ND	PASS	0.02
ASPERGILLUS FLAVUS			Not Present	PASS		AFLATOXIN B2	0.0012	ppm	ND	PASS	0.02
ASPERGILLUS FUMIGATUS			Not Present	PASS		AFLATOXIN B1	0.0012	ppm	ND	PASS	0.02
ASPERGILLUS NIGER			Not Present	PASS		OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
ASPERGILLUS TERREUS			Not Present	PASS		TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	0.02
Analyzed by: 2837	Weight: 1.0138g	Extraction date: 05/01/24 11:55:08	Extracted by: 2837			Analyzed by: 2803	Weight: 1.0012g	Extraction date: 04/30/24 09:30:50	Extracted by: 2803		
Analysis Method : SOP.T.40.056C, SOP.T.40.041 LOD is 1 CFU						Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN					
Analytical Batch : KN004770MIC						Analytical Batch : KN004765MYC					
Instrument Used : E-HEW-069						Instrument Used : E-SHI-125					
Running on : N/A						Running on : N/A					
Reviewed On : 05/02/24 13:01:48						Reviewed On : 05/01/24 11:47:49					
Batch Date : 05/01/24 11:37:31						Batch Date : 04/30/24 09:36:17					

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. With an LOD of 1cfu, if a pathogenic E Coli, Salmonella, A fumigatus, A flavus, A niger, or A terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.

Heavy Metals					
PASSED					
Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC-AS	0.02	ppm	ND	PASS	1.5
CADMIUM-CD	0.02	ppm	ND	PASS	0.5
MERCURY-HG	0.02	ppm	ND	PASS	3
LEAD-PB	0.02	ppm	ND	PASS	0.5
Analyzed by: 2837	Weight: 0.2679g	Extraction date: 05/01/24 10:16:05	Extracted by: 2837		
Analysis Method : SOP.T.30.082, SOP.T.40.082.TN					
Analytical Batch : KN004768HEA					
Instrument Used : E-AGI-084					
Running on : N/A					
Reviewed On : 05/02/24 16:05:41					
Batch Date : 05/01/24 08:47:12					

Heavy Metals analysis is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to single digit ppb concentrations. LOQ is 0.04 ppm for all metals. *Based on FL action limits.

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	Filth/Foreign Material	PASSED
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Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	1	%	ND	PASS	5

Analysis Method : SOP.T.40.090	Weight: 0.509g	Extraction date: 05/01/24 12:13:50	Extracted by: 2837
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Instrument Used : E-AMS-138
Running on : N/A
Reviewed On : 05/01/24 12:14:38
Batch Date : 05/01/24 12:12:21

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2T13 Stereo Microscope is use for inspection.

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