

Certificate of Analysis

LC-WCoA-027/1

Д9-ТНСР

Client name: Batch number: Sample number:

Date of manufacture:

TP9270723C

Date of Analysis: Raw data: 27.07.2023 InjID: 36518

Analytical technique: UP

UPLC/PDA (DAD)

Component	Assay	Unit
d9-THC	< LOQ	% as is
d8-THC	< LOQ	% as is
THCA	< LOQ	% as is
THCA	< LOQ	% as is
CBNP	< LOQ	% as is
А9-ТНСР	89.4	% as is
А8-ТНСР	4.9	% as is
SUM THCP	94.3	% as is

^{*} Limit of quantitation, LOQ = 0.05 w/w %.

	Name	Signature
Author:	Jaka Štirn, M.Sc., Analyst	- Štr
Approved by:	Davor Štirn, M.Sc., Head Lab	N

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HHC-O

Sample ID: SA-230627-23418 Batch: PR114-2.060623 Type: In-Process Material Matrix: Concentrate - Distillate

Unit Mass (g):

Collected: 06/06/2023 Received: 06/07/2023 Completed: 06/19/2023 Client

Elevated Biosciences 2536 Rimrock Dr. Suite 400 Grand Junction, CO 81505 USA



Summary

Test
Cannabinoids
Foreign Matter
Heavy Metals
Microbials
Mycotoxins
Pesticides
Residual Solvents

Date Tested Status 06/12/2023 Tested 06/14/2023 Tested 06/16/2023 Tested 06/15/2023 Tested 06/15/2023 Tested 06/15/2023 Tested 06/19/2023 Tested

ND Total Δ9-THC 60.9 % (6aR,9R,10aR)-HHC acetate **95.9** % Total Cannabinoids

Not Tested

Moisture Content

Not Detected
Foreign Matter

Internal Standard Normalization

Yes

Cannabinoids by HPLC-PDA, LC-MS/MS, and/or GC-MS/MS

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Nicholasville, KY 40356

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBC	0.0095	0.0284	ND ND	ND
CBCA	0.0181	0.0543	ND	ND
CBCV	0.006	0.018	ND	ND
CBD	0.0081	0.0242	ND	ND
CBDA	0.0043	0.013	ND	ND
CBDV	0.0061	0.0182	ND	ND
CBDVA	0.0021	0.0063	ND	ND
CBG	0.0057	0.0172	ND	ND
CBGA	0.0049	0.0147	ND	ND
CBL	0.0112	0.0335	ND	ND
CBLA	0.0124	0.0371	ND	ND
CBN	0.0056	0.0169	0.167	1.67
CBN acetate	0.0067	0.02	7.79	77.9
CBNA	0.006	0.0181	ND	ND
CBT	0.018	0.054	ND	ND
Δ8-ΤΗС	0.0104	0.0312	ND	ND
Δ9-THC	0.0076	0.0227	ND	ND
Δ9-THCA	0.0084	0.0251	ND	ND
Δ9-THCV	0.0069	0.0206	ND	ND
Δ9-THCVA	0.0062	0.0186	ND	ND
(6aR,9R,10aR)-HHC acetate	0.0067	0.02	60.9	609
(6aR,9S,10aR)-HHC acetate	0.0067	0.02	27.0	270
Total Δ9-THC			ND	ND
Total			95.9	959

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; RL = Reporting Limit; Δ = Delta; Total Δ 9-THC = Δ 9-THC4 * 0.877 + Δ 9-THC; Total CBD = CBDA * 0.877 + CBD;

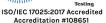
Generated By: Ryan Bellone

Date: 06/27/2023

Tested By: Scott Caudill Senior Scientist Date: 06/12/2023









This product or substance has been tested by KCA Laboratories using validated testing methodologies and an ISO/IEC 170252017 accredited quality system. Values reported relate only to the product or substance tested. The reported result is based on a sample weight. Unless otherwise stated, results of tests performed on all quality control samples met criteria for acceptance established by KCA Laboratories KCA Laboratories makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected amounts of any substances reported herein. This Certificate of Analysis shall not be reproduced except in full, without the written approval of KCA Laboratories KCA Laboratories can provide measurement uncertainty upon request.



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HHC-O

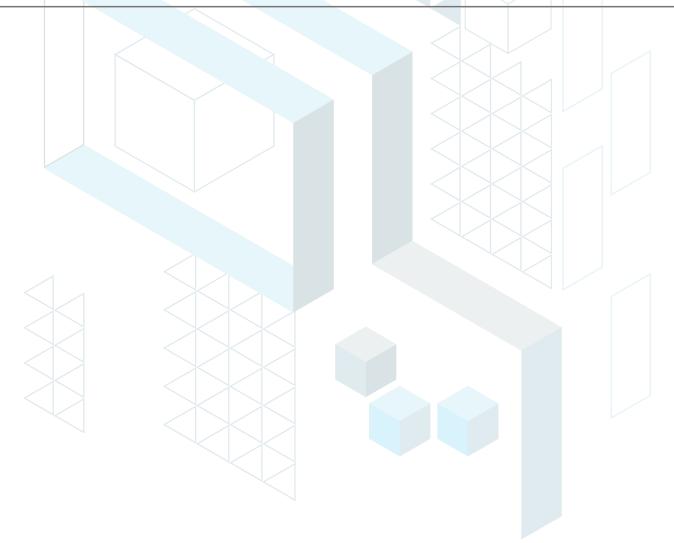
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Heavy Metals by ICP-MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Arsenic	2	20	ND
Cadmium	1	20	ND
Lead	2	20	ND
Mercury	12	50	ND

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Generated By: Ryan Bellone CCO

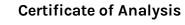
Date: 06/27/2023

Tested By: Kelsey Rogers Scientist

Date: 06/16/2023



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HHC-O

Sample ID: SA-230627-23418 Batch: PR114-2.060623 Type: In-Process Material Matrix: Concentrate - Distillate Unit Mass (g):

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Client

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Pesticides by LC-MS/MS

	LOD LOQ Result			LOD	LOQ	Result	
Analyte	(ppb)	(ppb)	(ppb)	Analyte	(ppb)	(ppb)	(ppb)
Acephate	30	100	ND	Hexythiazox	30	100	ND
Acetamiprid	30	100	ND	Imazalil	30	100	ND
Aldicarb	30	100	ND	Imidacloprid	30	100	ND
Azoxystrobin	30	100	ND	Kresoxim methyl	30	100	ND
Bifenazate	30	100	ND	Malathion	30	100	ND
Bifenthrin	30	100	ND	Metalaxyl	30	100	ND
Boscalid	30	100	ND	Methiocarb	30	100	ND
Carbaryl	30	100	ND	Methomyl	30	100	ND
Carbofuran	30	100	ND	Mevinphos	30	100	ND
Chloranthraniliprole	30	100	ND	Myclobutanil	30	100	ND
Chlorfenapyr	30	100	ND	Naled	30	100	ND
Chlorpyrifos	30	100	ND	Oxamyl	30	100	ND
Clofentezine	30	100	ND	Paclobutrazol	30	100	ND
Coumaphos	30	100	ND	Permethrin	30	100	ND
Daminozide	30	100	ND	Phosmet	30	100	ND
Diazinon	30	100	ND	Piperonyl Butoxide	30	100	ND
Dichlorvos	30	100	ND	Prallethrin	30	100	ND
Dimethoate	30	100	ND	Propiconazole	30	100	ND
Dimethomorph	30	100	ND	Propoxur	30	100	ND
Ethoprophos	30	100	ND	Pyrethrins	30	100	ND
Etofenprox	30	100	ND	Pyridaben	30	100	ND
Etoxazole	30	100	ND	Spinetoram	30	100	ND
Fenhexamid	30	100	ND	Spinosad	30	100	ND
Fenoxycarb	30	100	ND	Spiromesifen	30	100	ND
Fenpyroximate	30	100	ND	Spirotetramat	30	100	ND
Fipronil	30	100	ND	Spiroxamine	30	100	ND
Flonicamid	30	100	ND	Tebuconazole	30	100	ND
Fludioxonil	30	100	ND	Thiacloprid	30	100	ND
				Thiamethoxam	30	100	ND
				Trifloxystrobin	30	100	ND

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Generated By: Ryan Bellone CCO

Date: 06/27/2023

Tested By: Jasper van Heemst Principal Scientist Date: 06/15/2023





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HHC-O

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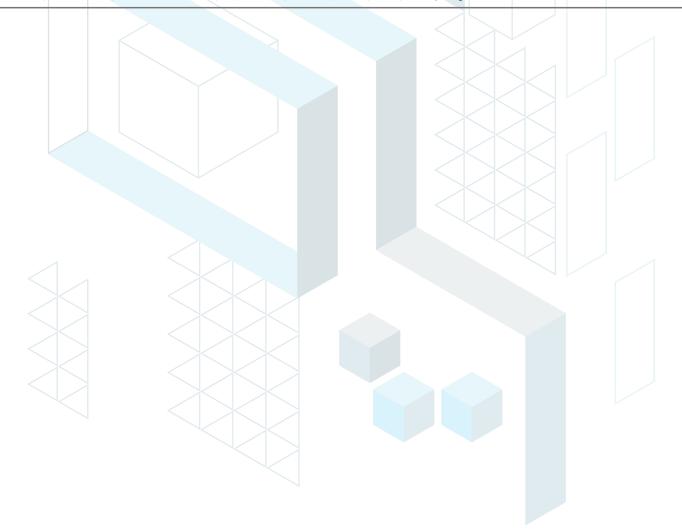
Collected: 06/06/2023 Received: 06/07/2023 Completed: 06/19/2023 Client

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Mycotoxins by LC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	
B1	1	5	ND	
B2	1	5	ND	
G1	1	5	ND	
G2	1	5	ND	
Ochratoxin A	1	5	ND	

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



Generated By: Ryan Bellone CCO

Tested By: Jasper van Heemst Principal Scientist Date: 06/15/2023



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HHC-O

Sample ID: SA-230627-23418 Batch: PR114-2.060623 Type: In-Process Material Matrix: Concentrate - Distillate Unit Mass (g):

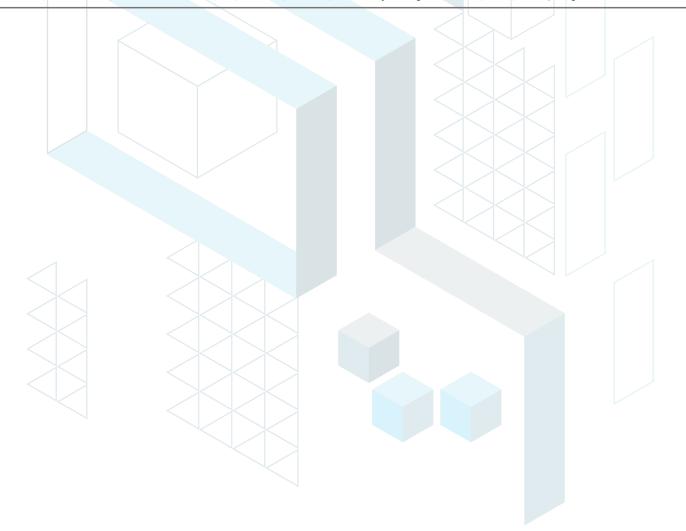
Collected: 06/06/2023 Received: 06/07/2023 Completed: 06/19/2023 **Client** Elevated

Elevated Biosciences 2536 Rimrock Dr. Suite 400 Grand Junction, CO 81505

Microbials by PCR and Plating

Analyte	LOD (CFU/g)	Result (CFU/g)
Total aerobic count		ND
Total coliforms	1	ND
Generic E. coli	1	ND
Salmonella spp.	1	ND
Shiga-toxin producing E. coli (STEC)	1	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; CFU = Colony Forming Units; P = Pass; F = Fail; RL = Reporting Limit



Generated By: Ryan Bellone CCO

Date: 06/27/2023

Tested By: Lucy Jones Scientist Date: 06/15/2023





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HHC-O

Unit Mass (g):

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Collected: 06/06/2023 Received: 06/07/2023 Completed: 06/19/2023 Client

Elevated Biosciences 2536 Rimrock Dr. Suite 400 Grand Junction, CO 81505

Residual Solvents by HS-GC-MS

			Analyte			Result (ppm)
			Ethylona Chysal			ND
					02	
	41				1	ND
	1					ND
167	500	ND	n-Hexane	10	29	ND
167	500	ND	Isobutane	167	500	ND
167	500	ND	Isopropyl Acetate	167	500	ND
167	500	ND	Isopropyl Alcohol	167	500	ND
2	6	ND	Isopropylbenzene	167	500	ND
129	388	ND	Methanol	100	300	ND
0.5	1	ND	2-Methylbutane	10	29	ND
4	10	ND	Methylene Chloride	20	60	ND
167	500	ND	2-Methylpentane	10	29	ND
37	109	ND	3-Methylpentane	10	29	ND
10	29	ND	n-Pentane	167	500	ND
10	29	ND	1-Pentanol	167	500	ND
30	88	ND	n-Propane	167	500	ND
167	500	ND	1-Propanol	167	500	ND
13	38	ND	Pyridine	7	20	ND
167	500	ND	Tetrahydrofuran	24	72	ND
6	16	ND	Toluene	30	89	ND
167	500	ND	Trichloroethylene	3	8	ND
167	500	ND	Tetramethylene Sulfone	6	16	ND
3	7	ND	Xylenes (o-, m-, and p-)	73	217	ND
	167 167 2 129 0.5 4 167 37 10 10 30 167 13 167 6 167	(ppm) (ppm) 167 500 14 41 0.5 1 167 500 167 500 167 500 2 6 129 388 0.5 1 4 10 167 500 37 109 10 29 10 29 30 88 167 500 13 38 167 500 6 16 167 500 167 500	(ppm) (ppm) (ppm) 167 500 ND 14 41 ND 0.5 1 ND 167 500 ND 167 500 ND 167 500 ND 167 500 ND 129 388 ND 0.5 1 ND 4 10 ND 167 500 ND 37 109 ND 10 29 ND 10 29 ND 30 88 ND 167 500 ND 13 38 ND 167 500 ND 6 16 ND 167 500 ND 167 500 ND	(ppm) (ppm) Analyte 167 500 ND Ethylene Clycol 14 41 ND Ethylene Oxide 0.5 1 ND Heptane 167 500 ND n-Hexane 167 500 ND Isobutane 167 500 ND Isopropyl Acetate 167 500 ND Isopropyl Alcohol 2 6 ND Isopropyl Benzene 129 388 ND Methanol 0.5 1 ND 2-Methylbutane 4 10 ND Methylene Chloride 167 500 ND 3-Methylpentane 37 109 ND 3-Methylpentane 10 29 ND n-Pentane 10 29 ND 1-Pentanol 30 88 ND n-Propane 167 500 ND Tetrahydrofuran 16 16 ND	(ppm) (ppm) Analyte (ppm) 167 500 ND Ethylene Glycol 21 14 41 ND Ethylene Oxide 0.5 0.5 1 ND Heptane 167 167 500 ND n-Hexane 10 167 500 ND Isobutane 167 167 500 ND Isopropyl Acetate 167 167 500 ND Isopropyl Alcohol 167 167 500 ND Methylenzene 167 1029 388 ND Methylenzene Chloride 20 167 500 ND NP 1-Pentane 167 10 <td< td=""><td>(ppm) (ppm) Analyte (ppm) (ppm) 167 500 ND Ethylene Glycol 21 62 14 41 ND Ethylene Oxide 0.5 1 0.5 1 ND Heptane 167 500 167 500 ND Isobutane 167 500 167 500 ND Isopropyl Acetate 167 500 167 500 ND Methanol 100 300 129 388</td></td<>	(ppm) (ppm) Analyte (ppm) (ppm) 167 500 ND Ethylene Glycol 21 62 14 41 ND Ethylene Oxide 0.5 1 0.5 1 ND Heptane 167 500 167 500 ND Isobutane 167 500 167 500 ND Isopropyl Acetate 167 500 167 500 ND Methanol 100 300 129 388

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Tested By: Scott Caudill Senior Scientist Date: 06/19/2023

