

# CERTIFICATE OF ANALYSIS

Prepared for:

#### Fringe

2244 S. Nile St Lakewood, CO USA 80228

Batch ID or Lot Number:	Test:	Reported:	USDA License:
23017	<b>Potency</b>	24Feb2023	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000236431	23Feb2023	N/A
	Method(s): TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 21Feb2023	Status: Active

Cannabinoids	<b>LOD</b> (mg)	<b>LOQ</b> (mg)	Result (mg)	<b>Result</b> (mg/g)	Notes
Cannabichromene (CBC)	0.112	0.347	1.003	0.77	# of Servings = 1
Cannabichromenic Acid (CBCA)	0.103	0.317	ND	ND	Sample
Cannabidiol (CBD)	0.314	0.905	36.569	28.13	Weight=1.3g
Cannabidiolic Acid (CBDA)	0.322	0.928	ND	ND	
Cannabidivarin (CBDV)	0.074	0.214	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
Cannabidivarinic Acid (CBDVA)	0.134	0.387	ND	ND	
Cannabigerol (CBG)	0.064	0.197	1.310	1.01	
Cannabigerolic Acid (CBGA)	0.267	0.823	ND	ND	
Cannabinol (CBN)	0.083	0.257	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
Cannabinolic Acid (CBNA)	0.182	0.562	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.318	0.981	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.049	0.151	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.043	0.134	ND	ND	
Tetrahydrocannabivarin (THCV)	0.058	0.179	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.226	0.696	ND	ND	
Total Cannabinoids			38.882	29.91	
Total Potential THC			ND	ND	
Total Potential CBD			36.569	28.13	

### **Final Approval**

PREPARED BY / DATE

Karen Winternheimer 24Feb2023 09:26:00 AM MST

Amantha

Sam Smith 24Feb2023 09:28:00 AM MST



APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/053fed20-e497-4ebf-8a00-ae990ced09fb

#### Definitions

% = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa \*(0.877)) and Total CBD = CBD + (CBDa \*(0.877)).





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Batch ID or Lot Number: <b>23017</b>	Test: <b>Terpenes</b>	Reported: 23Feb2023	USDA License: NA	
Matrix:	Test ID:	Started:	Sampler ID:	
Concentrate	T000236433	22Feb2023	NA	
	Method(s):	Received:	Status:	
	TM22 (GC-MS)	21Feb2023	NA	

Terpenes	%(w/w)	(mg/g)
(-)-alpha-Bisabolol	0.0000	0.0000
(-)-beta-Pinene	0.0000	0.0000
(-)-Caryophyllene Oxide	0.0000	0.0000
(-)-Isopulegol	0.0000	0.0000
alpha-Humulene	0.0000	0.0000
alpha-Pinene	0.0000	0.0000
alpha-Terpinene	0.0000	0.0000
beta-Caryophyllene	0.0010	0.010
beta-Myrcene	0.0000	0.0000
beta-Ocimene	0.0000	0.0000
Camphene	0.0000	0.0000
cis-Nerolidol	0.0000	0.0000
d-Limonene	0.0000	0.0000
delta-3-Carene	0.0000	0.0000
Eucalyptol	0.0000	0.0000
gamma-Terpinene	0.0000	0.0000
Geraniol	0.0000	0.0000
Linalool	0.0000	0.0000
Ocimene	0.0000	0.0000
p-Cymene	0.0000	0.0000
Terpinolene	0.0000	0.0000
trans-Nerolidol	0.0000	0.0000
	0.0010	0 0100



#### Notes

## **Final Approval**



Karen Winternheimer 23Feb2023 03:27:00 PM MST



Sam Smith 23Feb2023 03:31:00 PM MST



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### Fringe

2244 S. Nile St Lakewood, CO USA 80228

Batch ID or Lot Number:	Test:	Reported:	USDA License:	
23017	<b>Trace THC</b>	<b>28Feb2023</b>	NA	
Matrix:	Test ID:	Started:	Sampler ID:	
Unit	T000236432	27Feb2023	NA	
	Method(s): TM20 (HPLC-DAD)	Received: 21Feb2023	Status: NA	

Cannabinoids	Dynamic Range (%)	Result (%)	<b>Result</b> (mg/g)	Notes
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.001 - 0.679	ND	0.00	N/A
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.002 - 1.359	ND	0.00	N/A
Total Potential THC	-	ND	0.00	

### **Final Approval**

Samantha -

28Feb2023 12:40:00 PM MST

Sam Smith

PREPARED BY / DATE

L'Winternheimer

Karen Winternheimer 28Feb2023 12:45:00 PM MST



https://results.botanacor.com/api/v1/coas/uuid/d26c4ad1-cc86-4717-8846-d53f299839a6

Definitions

% = % (w/w) = Percent (weight of analyte / weight of product)

Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa \*(0.877)) ND = None Detected (defined by dynamic range of the method) ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method)

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Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range





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2244 S. Nile St Lakewood, CO USA 80228

Batch ID or Lot Number: <b>23017</b>	Test: <b>Pesticides</b>	Reported: 24Feb2023	USDA License: NA	
Matrix:	Test ID:	Started:	Sampler ID:	
Concentrate	T000236434	23Feb2023	NA	
	Method(s):	Received:	Status:	
	TM17 (LC-QQ LC MS/MS)	21Feb2023	NA	

Pesticides	<b>Dynamic Range</b> (ppb)	Result (ppb)		<b>Dynamic Range</b> (ppb)	Result (ppb)
Abamectin	324 - 2773	ND	Malathion	281 - 2698	ND
Acephate	43 - 2752	ND	Metalaxyl	43 - 2701	ND
Acetamiprid	41 - 2704	ND	Methiocarb	41 - 2737	ND
Azoxystrobin	44 - 2701	ND	Methomyl	40 - 2714	ND
Bifenazate	40 - 2705	ND	MGK 264 1	165 - 1598	ND
Boscalid	38 - 2737	ND	MGK 264 2	115 - 1120	ND
Carbaryl	38 - 2718	ND	Myclobutanil	47 - 2715	ND
Carbofuran	42 - 2692	ND	Naled	44 - 2707	ND
Chlorantraniliprole	42 - 2746	ND	Oxamyl	41 - 2726	ND
Chlorpyrifos	47 - 2711	ND	Paclobutrazol	42 - 2699	ND
Clofentezine	266 - 2736	ND	Permethrin	308 - 2683	ND
Diazinon	290 - 2714	ND	Phosmet	40 - 2707	ND
Dichlorvos	279 - 2716	ND	Prophos	283 - 2743	ND
Dimethoate	41 - 2688	ND	Propoxur	41 - 2692	ND
E-Fenpyroximate	298 - 2729	ND	Pyridaben	315 - 2709	ND
Etofenprox	38 - 2714	ND	Spinosad A	32 - 2216	ND
Etoxazole	308 - 2695	ND	Spinosad D	50 - 489	ND
Fenoxycarb	42 - 2730	ND	Spiromesifen	288 - 2726	ND
Fipronil	55 - 2633	ND	Spirotetramat	296 - 2731	ND
Flonicamid	48 - 2766	ND	Spiroxamine 1	17 - 1160	ND
Fludioxonil	318 - 2730	ND	Spiroxamine 2	21 - 1551	ND
Hexythiazox	41 - 2719	ND	Tebuconazole	300 - 2703	ND
Imazalil	287 - 2706	ND	Thiacloprid	41 - 2706	ND
Imidacloprid	42 - 2706	ND	Thiamethoxam	40 - 2736	ND
Kresoxim-methyl	38 - 2772	ND	Trifloxystrobin	44 - 2703	ND

### **Final Approval**

PREPARED BY / DATE

Karen Winternheimer 24Feb2023 08:30:00 AM MST

amantha -

Sam Smith 24Feb2023 08:32:00 AM MST



APPROVED BY / DATE https://results.botanacor.com/api/v1/coas/uuid/3651b504-fedf-406e-ae62-0ae8b08bd149

Definitions

ND = None Detected (defined by dynamic range of the method)

Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range ppb = Parts Per Billion

Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA.



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# CERTIFICATE OF ANALYSIS

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#### Fringe

2244 S. Nile St Lakewood, CO USA 80228

Test: Microbial Contaminants	Reported: <b>24Feb2023</b>	USDA License: NA
Test ID:	Started:	Sampler ID:
T000236435	21Feb2023	NA
Method(s):	Received:	Status:
TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	21Feb2023	NA
	Test ID: T000236435 Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Nicrobial Contaminants24Feb2023Test ID:Started:T00023643521Feb2023Method(s):Received:TM25 (PCR) TM24, TM26, TM2721Feb2023(Culture Plating)Culture Plating)

			Quantitation		
Contaminants	Method	LOD	Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	Free from visual mold, mildew, and
Salmonella	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	<lloq< td=""><td></td></lloq<>	
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	<lu>Lloq</lu>	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

**Final Approval** 

Katt 1/2 hun

PREPARED BY / DATE

Brett Hudson 24Feb2023 03:05:00 PM MST

Branne Maillot

**Brianne Maillot** 25Feb2023 05:26:00 PM MST



Definitions

\* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form. Examples:  $10^2 = 100 \text{ CFU}$ ,  $10^3 = 1,000 \text{ CFU}$ ,  $10^4 = 10,000 \text{ CFU}$ ,  $10^5 = 100,000 \text{ CFU}$ CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection

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ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation STEC = Shiga Toxin-Producing E. coli

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### Fringe

2244 S. Nile St Lakewood, CO USA 80228

### Henko

Batch ID or Lot Number:	Test:	Reported:	USDA License:
23017	<b>Heavy Metals</b>	24Feb2023	NA
Matrix:	Test ID:	Started:	Sampler ID:
Unit	T000236436	24Feb2023	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	21Feb2023	NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.58	ND	
Cadmium	0.05 - 4.63	ND	
Mercury	0.04 - 4.25	ND	
Lead	0.05 - 5.18	ND	

### **Final Approval**

PREPARED BY / DATE

Samanthe Smo

Sam Smith 24Feb2023 12:27:00 PM MST

APPROVED BY / DATE

Karen Winternheimer 24Feb2023 12:31:00 PM MST



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**Definitions** ND = None Detected (defined by dynamic range of the method) Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range





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2244 S. Nile St Lakewood, CO USA 80228

### Henko

Batch ID or Lot Number:	Test:	Reported:	USDA License:
23017	<b>Residual Solvents</b>	23Feb2023	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000236437	22Feb2023	N/A
	Method(s):	Received:	Status:
	TM04 (GC-MS): Residual Solvents	21Feb2023	Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	91 - 1827	ND	
Butanes (Isobutane, n-Butane)	189 - 3779	ND	
Methanol	55 - 1108	ND	
Pentane	95 - 1893	ND	
Ethanol	93 - 1860	404	
Acetone	92 - 1847	ND	
lsopropyl Alcohol	97 - 1936	ND	
Hexane	6 - 113	ND	
Ethyl Acetate	93 - 1865	ND	
Benzene	0.2 - 3.6	ND	
Heptanes	93 - 1851	ND	
Toluene	16 - 326	ND	
Xylenes (m,p,o-Xylenes)	121 - 2417	ND	

### **Final Approval**

Samanthe Smo

Sam Smith 23Feb2023 09:08:00 AM MST

APPROVED BY / DATE

Karen Winternheimer 23Feb2023 09:09:00 AM MST



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Prepared for:

### Fringe

2244 S. Nile St Lakewood, CO USA 80228

Patch ID or Lat Number:	Tost	Papartad:	
		Reported.	USDA LICENSE.
23017	Mycotoxins	02Mar2023	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000236438	28Feb2023	N/A
	Method(s):	Received:	Status:
	TM18 (UHPLC-QQQ LCMS/MS):	21Feb2023	Active
	Mycotoxins		
Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	4.01 - 136.73	ND	N/A
Aflatoxin B1	0.87 - 33.90	ND	
Aflatoxin B2	0.90 - 33.90	ND	
Aflatoxin G1	0.90 - 33.64	ND	
Aflatoxin G2	1.06 - 34.13	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

### **Final Approval**

PREPARED BY / DATE

Samantha Smo

Sam Smith 02Mar2023 09:32:00 AM MST

APPROVED BY / DATE

Karen Winternheimer 02Mar2023 09:36:00 AM MST



https://results.botanacor.com/api/v1/coas/uuid/0f5848fc-9e92-44db-8e10-a8759fb3251c

**Definitions** ND = None Detected (defined by dynamic range of the method) Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

