## **Analytical Report - Certificate of Analysis**



Manifest: 2206130002

Sample Id: 1A-GHEMP-2206130002-0004

Sample Name: 3Chi HHC Vape - Snowman - Batch: 220610-HHCSM

Sample Type: Concentrate
Client Id: CID-50222
Client: 3Chi

Address: To be shared, , Carmel, IN 46032

Test Performed: Hemp Lab

Report No:

Intended Use: Inhaled or Audited Product

MT-2206130002-V1

 Receive Date:
 2022-06-13

 Test Date:
 2022-06-14

 Report Date:
 2022-06-16

 Sample Condition:
 Good

Method Reference: GH-OP-17

### Scope

Arsenic, Cadmium, Lead and Mercury were determined by an Inductively Coupled Plasma Mass Spectrometer (ICP-MS) using an in-house developed method.

Metals	LOD (ppm)	LOQ (ppm)	Sample Reporting Limit (ppm)	Parts Per Million (ppm)
Arsenic	0.007	0.025	0.500	ND
Cadmium	0.003	0.010	0.100	ND
Lead	0.003	0.010	0.100	ND
Mercury	0.0009	0.003	0.100	ND

ND - not detected; T - trace; ULOQ - upper limit of quantitation; LOD - limit of detection; LOQ - limit of quantitation

**Laboratory Comments:** 

2022-06-16

Jon Person Client Relations Manager

Date

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## **Analytical Report - Certificate of Analysis**



Manifest: 2206130002

Sample Id: 1A-GHEMP-2206130002-0004

Sample Name: 3Chi HHC Vape - Snowman - Batch: 220610-HHCSM

Sample Type: Concentrate
Client Id: CID-50222
Client: 3Chi

Address: To be shared, , Carmel, IN 46032

**Test Performed:** Hemp Lab

**Report No:** P-2206130002-V1

 Receive Date:
 2022-06-13

 Test Date:
 2022-06-15

 Report Date:
 2022-06-16

**Sample Condition:** Good **Method Reference:** GH-OP-06

#### Scope

The content of sixteen cannabinoids was determined by an in-house developed method for solvent extraction followed by High Performance Liquid Chromatography with Diode Array Detection.

Cannabinoids	Percent	mg/gram
CBDV	ND	ND
CBDA	ND	ND
CBGA	ND	ND
CBG	ND	ND
CBD	ND	ND
THCV	ND	ND
CBN	Т	Т
Δ9-ΤΗС	ND	ND
CBC	ND	ND
THCA	ND	ND
CBDVA	ND	ND
THCVA	ND	ND
CBNA	ND	ND
Δ8-ΤΗС	ND	ND
CBL	ND	ND
CBCA	ND	ND

ND - not detected; T - trace; LOQ - limit of	f quantitation; LOD - limit of detection

	Percent	mg/gram
Total Δ9-THC	0.00	0.00
Total CBD	0.00	0.00
Total CBG	0.00	0.00
Total Cannabinoids	Т	Т

Total  $\triangle 9$ -THC =  $\triangle 9$ -THC + (THCA x 0.877) Total CBD = CBD + (CBDA x 0.877) Total CBG = CBG + (CBGA x 0.877)

Laboratory Comments: 9S-HHC = 43.74%

9R-HHC = 49.47%

In Com

2022-06-16

### Jon Person Client Relations Manager

Date

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### **Analytical Report - Certificate of Analysis**



**Manifest:** 2206130002

Sample Id: 1A-GHEMP-2206130002-0004

Sample Name: 3Chi HHC Vape - Snowman - Batch: 220610-HHCSM

Sample Type: Concentrate
Client Id: CID-50222
Client: 3Chi

Address: To be shared, , Carmel, IN 46032

**Test Performed:** Hemp Lab

**Report No:** R-2206130002-V2

 Receive Date:
 2022-06-13

 Test Date:
 2022-06-16

 Report Date:
 2022-06-16

Sample Condition: Good

Method Reference: GH-OP-08

#### Scope

The content of fifteen residual solvents was determined by an in-house developed method for Headspace-Gas Chromatography with Flame Ionization Detection.

Solvents	LOD (ppm)	LOQ (ppm)	Parts Per Million (ppm)
Propane	135	372	ND
Iso-Butane	82	490	ND
N-Butane	107	490	ND
Methanol	38	120	ND
Pentane	73	100	ND
Ethanol	50	200	ND
Acetone	82	200	ND
IPA	40	200	ND
Hexane	25	50	ND
Ethyl Acetate	57	200	ND
Benzene	0.65	1	ND
Heptane	137	200	ND
Toluene	75	100	ND
Xylenes	112	200	ND

ND - not detected; T - trace; ULOQ - upper limit of quantitation; LOD - limit of detection; LOQ - limit of quantitation

**Laboratory Comments:** 

2022-06-16

Jerry Hogan - Director of Operations

Date

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• Wheat Ridge CO 80033 •

• ISO/IEC 17025:2017 Accredited •

• (303) 955-4934 •



## **Terpene Report - Certificate of Analysis**



Manifest: 2206130002

**Sample Id:** 1A-GHEMP-2206130002-0004

Sample Name: 3Chi HHC Vape - Snowman - Batch: 220610-HHCSM

Sample Type: Concentrate
Client Id: CID-50222
Client: 3Chi

Address: To be shared, , Carmel, IN 46032

Test Performed: Hemp Lab

**Report No:** T-2206130002-V2

 Receive Date:
 2022-06-13

 Test Date:
 2022-06-14

 Report Date:
 2022-06-16

 Sample Condition:
 Good

Method Reference: GH-OP-14

**Total Terpenes** 

2.05%

Terpene	Percent		
Alpha-Pinene	0.0977		
Camphene	ND		
Beta-Pinene	0.1381		
Beta-Myrcene	0.4443		
Delta-3-Carene	ND		
Alpha-Terpinene	ND		
Limonene	0.7077		
Alpha-Ocimene	ND		
Eucalyptol	ND		
Beta-Ocimene	ND		
Gamma-Terpinene	ND		
ND - not detected: T - trace: LILOO - unner limit of			

ND - not detected; T - trace; UL	OQ - upper limit of
guantitation	

Terpene	Percent
Terpinolene	ND
Linalool	0.1691
(-)-Isopulegol	ND
Geraniol	ND
Beta-Caryophyllene	0.4510
Alpha-Humulene	0.0469
cis-Nerolidol	ND
trans-Nerolidol	ND
(-)-Guaiol	ND
(-)-Caryophyllene Oxide	ND
Alpha-Bisabolol	ND

ND - not detected; T - trace; ULOQ - upper limit of quantitation

8-1-1

2022-06-16

Dave Wells Laboratory Manager

Date

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• Wheat Ridge CO 80033 •

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### **Microbial Contaminant Report - Certificate of Analysis**



**Manifest:** 2206130002 **Report No:** M-2206130002-V1

Sample Type: Concentrate **Receive Date:** 2022-06-13 Test Performed: Microbial Lab **Test Date:** 2022-06-13 Client Id: CID-50222 **Report Date:** 2022-06-17 Client: 3Chi **Sample Condition:** Good

Address: To be shared, , Carmel, IN 46032 Method Reference: MBH-OP-02, MBH-OP-03,

MBH-OP-05, MBH-OP-10,

MBH-OP-11

### **Scope**

Contaminant testing for the identified pathogens *Salmonella spp.* and *Shiga Toxin Virulence Genes*, *O26,O45*, *O103*, *O111*, *O121*, *O145* and *O157:H7* serogroups of *Escherichia coli* (STEC) was performed through Polymerase Chain Reaction (PCR) presumptive experimentation, and confirmed through cultural methodology where applicable. Results for *Salmonella spp.* and STEC are represented as a negative or positive determination, a negative result indicating no detection of the respective contaminant.

Total Yeast and Mold Count (TYMC)/Total Aerobic Count(TAC)/Total Coliform Count (TCC) were determined through  $3M^{TM}$  Petrifilm plating technology. The TYMC/TAC/TCC is represented as a count in colony forming units per gram (cfu/q).

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2022-06-17

Jerry Hogan - Director of Operations

Date

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### **Microbial Contaminant Report - Certificate of Analysis**



Manifest: 2206130002 Report No: M-2206130002-V1

Sample Type: Concentrate **Receive Date:** 2022-06-13 **Test Performed:** Microbial Lab **Test Date:** 2022-06-13 CID-50222 Client Id: **Report Date:** 2022-06-17 Client: 3Chi **Sample Condition:** Good

Address: To be shared, , Carmel, IN 46032 Method Reference: MBH-OP-02, MBH-OP-03,

MBH-OP-05, MBH-OP-10,

MBH-OP-11

Sample Id	Product	Salmonella spp.	STEC	TYMC (cfu/g)	TAC (cfu/ g)	TCC (cfu/ g)
1A- GHEMP-2206130002-0004	3Chi HHC Vape - Snowman - Batch: 220610-HHCSM	Negative	Negative	<100	<100	<100

STEC - shiga toxin-producing *Escherichia coli*; TYMC - total yeast and mold count; TAC - Total Aerobic Count; TCC - Total Coliform Count; NT - Not Tested;

**Laboratory Comments:** 

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2022-06-17

Jerry Hogan - Director of Operations

Date

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## **Analytical Report - Certificate of Analysis**



Manifest: 2206130002

Sample Id: 1A-GHEMP-2206130002-0004

Sample Name: 3Chi HHC Vape - Snowman - Batch: 220610-HHCSM

Sample Type: Concentrate
Client Id: CID-50222
Client: 3Chi

Address: To be shared, , Carmel, IN 46032

**Test Performed:** Hemp Lab

**Report No:** R-2206130002-V1

 Receive Date:
 2022-06-13

 Test Date:
 2022-06-14

 Report Date:
 2022-06-20

Sample Condition: Good

Method Reference: GH-OP-16

#### Scope

Ochratoxin and Total Aflatoxin were quantified using liquid chromatography coupled to multiple mass spectrometry (LC-MS/MS) equipped with electrospray ionization (ESI) in positive mode after sample extraction. Identification was based on the retention time of each compound and the product mass generated using single reaction monitoring (SRM). Quantitation was determined using external calibration.

Mycotoxins	LOD (ppm)	LOQ (ppm)	Reporting Limits (ppm)	Parts Per Million (ppm)
Aflatoxin G2	0.0019	0.0050	0.0050	ND
Aflatoxin G1	0.0011	0.0050	0.0050	ND
Aflatoxin B2	0.0017	0.0050	0.0050	ND
Aflatoxin B1	0.0015	0.0050	0.0050	ND
Ochratoxin A	0.0033	0.0050	0.0050	ND

ND - not detected; T - trace; ULOQ - upper limit of quantitation; LOD - limit of detection; LOQ - limit of quantitation

**Laboratory Comments:** 

2022-06-20

### Jon Person Client Relations Manager

Date

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• 3940 Youngfield St. •

• Wheat Ridge CO 80033 •



## **Pesticide Residues Report - Certificate of Analysis**



Manifest: 2206130002

**Sample Id:** 1A-GHEMP-2206130002-0004

Sample Name: 3Chi HHC Vape - Snowman - Batch: 220610-HHCSM

Sample Type: Concentrate Client Id: CID-50222 Client: 3Chi

Address: To be shared, , Carmel, IN 46032

Test Performed: Hemp Lab

**Report No:** PE-2206130002-V1

 Receive Date:
 2022-06-13

 Test Date:
 2022-06-16

 Report Date:
 2022-06-20

 Sample Condition:
 Good

Method Reference: GH-OP-11

#### Scope

The content of 60 pesticides were quantified using liquid chromatography coupled to multiple mass spectrometry (LC-MS2) equipped with electrospray ionization (ESI) in positive mode after sample extraction using methodology based on AOAC 2007 and EN 15662 standard procedures. Identification was based on the retention time of each compound and the product mass generated using single reaction monitoring (SRM), and quantitation was determined using external standard calibration.

Analyte	Reporting Level µg/g	μg/g
Avermectin B1a	0.1	ND
Acephate	0.1	ND
Acetamiprid	0.1	ND
Aldicarb	0.1	ND
Azoxystrobin	0.1	ND
Bifenazate	0.1	ND
Bifenthrin	0.1	ND
Boscalid	0.1	ND
Captan	0.1	ND
Carbaryl	0.1	ND
Carbofuran	0.1	ND
Chlorantraniliprole	0.1	ND
Chlordane	0.1	ND
Chlorpyrifos	0.1	ND
Clofentazine	0.1	ND
Coumaphos	0.1	ND
Baythroid (Cyfluthrin)*	0.1	NT
Cypermethrin*	0.1	NT
Dichlorvos	0.1	ND
Diazinon	0.1	ND
Dimethoate	0.1	ND
Dimethomorph*	0.1	ND
Prophos	0.1	ND
Etofenprox	0.1	ND
Etoxazole	0.1	ND
Fenhexamid	0.1	ND
Fenoxycarb	0.1	ND
Fenpyroximate	0.1	ND
Fipronil	0.1	ND
Flonicamid	0.1	ND
Fludioxonil	0.1	ND

Analyte	Reporting Level μg/g	μg/g
Hexythiazox	0.1	ND
Imazilil	0.1	ND
Imidacloprid	0.1	ND
Kresoxim Methyl	0.1	ND
Malathion	0.1	ND
Metalaxyl	0.1	ND
Methiocarb	0.1	ND
Methomyl	0.1	NT
Mevinphos*	0.1	ND
MGK-264	0.1	NT
Myclobutanil	0.1	ND
Oxamyl	0.1	ND
Paclobutrazol	0.1	ND
Pentachloronitrobenzene	0.1	ND
Permethrin*	0.1	ND
Imidan(Phosmet)	0.1	ND
Piperonyl Butoxide	0.1	ND
Propiconazole	0.1	ND
Propuxor	0.1	ND
Pyrethrin*	0.1	ND
Pyridaben	0.1	ND
Spinetoram	0.1	ND
Spinosad*	0.1	ND
Spiromefesin	0.1	ND
Spirotetramat	0.1	ND
Spiroxamine	0.1	ND
Tebuconazole	0.1	ND
Thiacloprid	0.1	ND
Thiamethoxam	0.1	ND
Trifloxystrobin	0.1	ND

NI - not tested; ND - not detected above Reporting Level; I – trace; \* lotal of isomers

Lab Comments:

Jon Person Client Relations Manager

22-06-20

Date

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