

Certificate ID: **95413**  
 Client Sample ID: **CBDaHE100**  
 Lot Number: **14**  
 Matrix: **Water Soluble - Powders**

Received: **6/18/21**

Scan QR Code  
for authenticity



**TabBrands**  
**29 Winslow Road**  
**Trumbull, CT 06611**  
**Attn: Michael Gulyas**

Authorization:

Chris Hudalla, Chief Science Officer

Signature:

*Christopher Hudalla*

Date:

6/23/2021



The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

## CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]

Analyst: AC

Test Date: 6/22/2021

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

### 95413-CN

ID	Weight %	Concentration (mg/g)			
D9-THC	ND	ND			
THCV	ND	ND			
CBD	0.0452	0.452			
CBDV	ND	ND			
CBG	ND	ND			
CBC	ND	ND			
CBN	ND	ND			
THCA	ND	ND			
CBDA	0.362	3.62			
CBGA	<LOQ	<LOQ			
D8-THC	ND	ND			
exo-THC	ND	ND			
Total	0.418	4.18	0%	Cannabinoids (wt%)	0.362%
Max THC	ND	ND		Limit of Quantitation (LOQ) = 0.0125 wt%	
Max CBD	0.363	3.63		Limit of Detection (LOD) = 0.0042 wt%	

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation: MAX THC = (0.877 x THCA) + THC. This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND=None detected above the limits of detection (LOD), which is one third of Limit of Quantification (LOQ). For values reported as "<LOQ", the estimated value is included in the calculated Total.



## END OF REPORT

Prepared for:  
**Planetarie**
**Drink Additive (Orange Flavor)**

Batch ID or Lot Number:	Test:	Reported:	Location:
<b>0621-F4</b>	<b>Microbial Contaminants</b>	<b>7/13/21</b>	600 31ST STREET UNIT B EVANS, CO 80620
Matrix:	Test ID:	Started:	USDA License:
Finished Product	T000150336	7/8/21	NA
Status:	Methods:	Received:	Sampler ID:
NA	TM24, TM25, TM26, TM27	07/07/2021 @ 11:10 AM	NA

**MICROBIAL CONTAMINANTS**

Contaminant	Method	LOD	LOQ	Result	Notes
<b>Total Aerobic Count*</b>	TM-26 Culture Plating	10 <sup>2</sup> CFU/gram	10 <sup>3</sup> CFU/gram	<b>None Detected</b>	Free from visual mold, mildew, and foreign matter
<b>Total Coliforms*</b>	TM-27 Culture Plating	10 <sup>1</sup> CFU/gram	10 <sup>2</sup> CFU/gram	<b>None Detected</b>	
<b>Total Yeast and Molds*</b>	TM-24 Culture Plating	10 <sup>1</sup> CFU/gram	10 <sup>2</sup> CFU/gram	<b>None Detected</b>	
<b>E. coli (STEC)</b>	TM-25 PCR	1 CFU/25 grams	NA	<b>Absent</b>	
<b>Salmonella</b>	TM-25 PCR	1 CFU/25 grams	NA	<b>Absent</b>	

 Sarah Henning 13-Jul-21 10:30 AM	 Courtney Richards 13-Jul-21 3:19 PM
PREPARED BY / DATE	APPROVED BY / DATE

**Definitions**

CFU/g = Colony Forming Units per Gram

\* 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<sup>2</sup> = 100 CFU  
 10<sup>3</sup> = 1,000 CFU  
 10<sup>4</sup> = 10,000 CFU  
 10<sup>5</sup> = 100,000 CFU


Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC.



Certificate #4329.02

Prepared for:

**Drink Additive (Orange Flavor)****Planetarie**

Batch ID or Lot Number: <b>0621-F4</b>	Test: <b>Mycotoxins</b>	Reported: <b>7/13/21</b>	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000150339	Started: 7/9/21	USDA License: N/A
Status: N/A	Methods: TM19: Mycotoxins (Colorado Compliant)	Received: 07/07/2021 @ 11:10 AM	Sampler ID: N/A

**MYCOTOXIN DETERMINATION**

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.1 - 424.8	ND	N/A
Aflatoxin B1	4.4 - 102.2	ND	
Aflatoxin B2	4.3 - 103.7	ND	
Aflatoxin G1	4.6 - 103.9	ND	
Aflatoxin G2	4.2 - 101	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Alex Smith  
7/12/2021  
9:31:00 AM

PREPARED BY / DATE

Sam Smith  
7/13/2021  
11:36:00 AM

APPROVED BY / DATE

**Definitions**

\* ND = None Detected (Defined by Dynamic Range of the method)

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Certificate #4329.02

## Drink Additive (Orange Flavor)

<b>Batch ID:</b>	0621-F4	<b>Test ID:</b>	T000150335
<b>Type:</b>	Concentrate	<b>Submitted:</b>	07/07/2021 @ 11:10 AM
<b>Test:</b>	Pesticides	<b>Started:</b>	7/8/2021
<b>Method:</b>	TM17	<b>Reported:</b>	7/12/2021


## PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	40 - 2284	ND*	Malathion	280 - 2284	ND*
Acetamiprid	40 - 2284	ND*	Metalaxyl	42 - 2284	ND*
Abamectin	>292	ND*	Methiocarb	42 - 2284	ND*
Azoxystrobin	41 - 2284	ND*	Methomyl	43 - 2284	ND*
Bifenazate	38 - 2284	ND*	MGK 264 1	163 - 2284	ND*
Boscalid	37 - 2284	ND*	MGK 264 2	109 - 2284	ND*
Carbaryl	40 - 2284	ND*	Myclobutanil	38 - 2284	ND*
Carbofuran	42 - 2284	ND*	Naled	42 - 2284	ND*
Chlorantraniliprole	46 - 2284	ND*	Oxamyl	41 - 2284	ND*
Chlorpyrifos	39 - 2284	ND*	Paclobutrazol	41 - 2284	ND*
Clofentezine	279 - 2284	ND*	Permethrin	290 - 2284	ND*
Diazinon	272 - 2284	ND*	Phosmet	42 - 2284	ND*
Dichlorvos	>285	ND*	Prophos	286 - 2284	ND*
Dimethoate	45 - 2284	ND*	Propoxur	43 - 2284	ND*
E-Fenpyroximate	287 - 2284	ND*	Pyridaben	281 - 2284	ND*
Etofenprox	41 - 2284	ND*	Spinosad A	27 - 2284	ND*
Etoazole	282 - 2284	ND*	Spinosad D	72 - 2284	ND*
Fenoxycarb	>33	ND*	Spiromesifen	>265	ND*
Fipronil	35 - 2284	ND*	Spirotetramat	>271	ND*
Flonicamid	44 - 2284	ND*	Spiroxamine 1	19 - 2284	ND*
Fludioxonil	>304	ND*	Spiroxamine 2	22 - 2284	ND*
Hexythiazox	45 - 2284	ND*	Tebuconazole	264 - 2284	ND*
Imazalil	271 - 2284	ND*	Thiacloprid	40 - 2284	ND*
Imidacloprid	44 - 2284	ND*	Thiamethoxam	43 - 2284	ND*
Kresoxim-methyl	49 - 2284	ND*	Trifloxystrobin	43 - 2284	ND*


\* ND = None Detected (Defined by Dynamic Range of the method)

N/A

## FINAL APPROVAL

  
 Taylor Brevik  
 12-Jul-2021  
 4:20 PM

PREPARED BY / DATE

  
 Courtney Richards  
 12-Jul-2021  
 9:30 PM

APPROVED BY / DATE

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Prepared for:

**Drink Additive (Orange Flavor)**
**Planetarie**


Batch ID or Lot Number: <b>0621-F4</b>	Test: <b>Residual Solvents</b>	Reported: <b>7/15/21</b>	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: N/A	Test ID: T000150338	Started: 7/14/21	USDA License: N/A
Status: N/A	Methods: TM04: Residual Solvents (Colorado Compliant)	Received: 07/07/2021 @ 11:10 AM	Sampler ID: N/A

**RESIDUAL SOLVENTS DETERMINATION**

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	65 - 1309	*ND	
Butanes (Isobutane, n-Butane)	130 - 2605	*ND	
Methanol	55 - 1094	*ND	
Pentane	75 - 1494	*ND	
Ethanol	81 - 1615	*ND	
Acetone	84 - 1673	*ND	
Isopropyl Alcohol	92 - 1844	*ND	
Hexane	5 - 103	*ND	
Ethyl Acetate	86 - 1719	*ND	
Benzene	0 - 3	*ND	
Heptanes	81 - 1620	*ND	
Toluene	15 - 306	*ND	
Xylenes (m,p,o-Xylenes)	110 - 2204	*ND	


 Sam Smith  
 15-Jul-21  
 3:27 PM

PREPARED BY / DATE


 Daniel Weidensaul  
 15-Jul-21  
 4:53 PM

APPROVED BY / DATE

**Definitions**

\* ND = None Detected (Defined by Dynamic Range of the method)

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Certificate #4329.02


Prepared for:

**Drink Additive (Orange Flavor)****Planetarie**


Batch ID or Lot Number: <b>0621-F4</b>	Test: <b>Metals</b>	Reported: <b>7/15/21</b>	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit Co	Test ID: T000150337	Started: 7/15/21	USDA License: N/A
Status: N/A	Method: TM19: Heavy Metals (Colorado Compliant)	Received: 07/07/2021 @ 11:10 AM	Sampler ID: N/A

**HEAVY METALS DETERMINATION**

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Arsenic	0.046 - 4.63	ND	
Cadmium	0.044 - 4.38	ND	
Mercury	0.044 - 4.41	ND	
Lead	0.043 - 4.34	ND	

  
Sam Smith  
15-Jul-21  
2:54 PM

PREPARED BY / DATE

  
Daniel Weidensaul  
15-Jul-21  
2:56 PM

APPROVED BY / DATE

**Definitions**

ND = None Detected (Defined by Dynamic Range of the method)

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