

**SAMPLE NAME: FLEX**

Infused, Liquid Edible

**CULTIVATOR / MANUFACTURER**

**Business Name:**

**License Number:**

**Address:**

**DISTRIBUTOR / TESTED FOR**

**Business Name:** Tonic CBD

**License Number:**

**Address:** 2466 Pennsylvania Ave  
 Sayre PA 18840



**SAMPLE DETAIL**

**Batch Number:** L-B6A

**Sample ID:** 210215Q016

**Date Collected:** 02/15/2021

**Date Received:** 02/15/2021

**Batch Size:**

**Sample Size:** 1.0 units

**Unit Mass:** 30.426 grams per Unit

**Serving Size:**



Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**

**Total THC:** 49.290 mg/unit

**Total CBD:** 1074.372 mg/unit

**Sum of Cannabinoids:** 1180.711 mg/unit

**Total Cannabinoids:** 1180.711 mg/unit

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:  
 Total THC =  $\Delta 9\text{THC} + (\text{THCa} \cdot 0.877)$   
 Total CBD =  $\text{CBD} + (\text{CBDa} \cdot 0.877)$   
 Sum of Cannabinoids =  $\Delta 9\text{THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} + \text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$   
 Total Cannabinoids =  $(\Delta 9\text{THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) + (\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) + (\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta 8\text{THC} + \text{CBL} + \text{CBN}$

**Moisture:** NT

**Density:** 1.0142 g/mL

**Viscosity:** NT

**SAFETY ANALYSIS - SUMMARY**

**$\Delta 9\text{THC}$  per Unit:** ✔ PASS

**Foreign Material:** NT

**Water Activity:** NT

**Vitamin E Acetate:** NT

**Pesticides:** NT

**Mycotoxins:** NT

**Residual Solvents:** NT

**Heavy Metals:** NT

**Microbial Impurities (PCR):** ✔ PASS

**Microbial Impurities (Plating):** NT

For quality assurance purposes. Not a Pre-Harvest Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

**Sample Certification:** California Code of Regulations Title 16 Effect Date January 16, 2019. Authority: Section 26013, Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

**Decision Rule:** Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following decision rules are applied: PASS - Results within limits/specifications, FAIL - Results exceed limits/specifications.

**References:** limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)



LQC verified by: Michael Pham  
 Date: 02/26/2021



Approved by: Josh Wurzer, President  
 Date: 02/26/2021



CANNABINOID TEST RESULTS - 02/26/2021

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

**TOTAL THC: 49.290 mg/unit**

Total THC ( $\Delta 9\text{THC} + 0.877 \cdot \text{THCa}$ )

**TOTAL CBD: 1074.372 mg/unit**

Total CBD ( $\text{CBD} + 0.877 \cdot \text{CBDa}$ )

**TOTAL CANNABINOIDS: 1180.711 mg/unit**

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCv) + (Total CBC) + (Total CBDV) +  $\Delta 8\text{THC}$  + CBL + CBN

**TOTAL CBG: 13.722 mg/unit**

Total CBG ( $\text{CBG} + 0.877 \cdot \text{CBGa}$ )

**TOTAL THCV: ND**

Total THCV ( $\text{THCV} + 0.877 \cdot \text{THCVa}$ )

**TOTAL CBC: 35.751 mg/unit**

Total CBC ( $\text{CBC} + 0.877 \cdot \text{CBCa}$ )

**TOTAL CBDV: 4.990 mg/unit**

Total CBDV ( $\text{CBDV} + 0.877 \cdot \text{CBDVa}$ )

COMPOUND	LOD/LOQ (mg/g)	MEASUREMENT UNCERTAINTY (mg/g)	RESULT (mg/g)	RESULT (%)
CBD	0.004 / 0.011	$\pm 1.6914$	35.311	3.5311
$\Delta 9\text{THC}$	0.002 / 0.014	$\pm 0.1142$	1.620	0.1620
CBC	0.003 / 0.010	$\pm 0.0486$	1.175	0.1175
CBG	0.002 / 0.006	$\pm 0.0281$	0.451	0.0451
CBDV	0.002 / 0.012	$\pm 0.0086$	0.164	0.0164
CBN	0.001 / 0.007	$\pm 0.0017$	0.045	0.0045
CBL	0.003 / 0.010	$\pm 0.0019$	0.040	0.0040
$\Delta 8\text{THC}$	0.01 / 0.02	N/A	ND	ND
THCa	0.001 / 0.005	N/A	ND	ND
THCV	0.002 / 0.012	N/A	ND	ND
THCVa	0.002 / 0.019	N/A	ND	ND
CBDa	0.001 / 0.026	N/A	ND	ND
CBDVa	0.001 / 0.018	N/A	ND	ND
CBGa	0.002 / 0.007	N/A	ND	ND
CBCa	0.001 / 0.015	N/A	ND	ND
<b>SUM OF CANNABINOIDS</b>			<b>38.806 mg/g</b>	<b>3.8806%</b>

Unit Mass: 30.426 grams per Unit

$\Delta 9\text{THC}$ per Unit	1120 per-package limit	49.290 mg/unit	PASS
Total THC per Unit		49.290 mg/unit	
CBD per Unit		1074.372 mg/unit	
Total CBD per Unit		1074.372 mg/unit	
Sum of Cannabinoids per Unit		1180.711 mg/unit	
Total Cannabinoids per Unit		1180.711 mg/unit	

MOISTURE TEST RESULT

Not Tested
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DENSITY TEST RESULT

1.0142 g/mL
Tested 02/26/2021
Method: QSP 7870 - Sample Preparation

VISCOSITY TEST RESULT

Not Tested
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 **Microbial Impurities Analysis**  
 PCR AND PLATING

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbial impurities.

**Method:** QSP 1221 - Analysis of Microbial Impurities

Analysis conducted by 3M™ Petrifilm™ and plate counts of microbial impurities.

**Method:** QSP 6794 - Plating with 3M™ Petrifilm™

**MICROBIAL IMPURITIES TEST RESULTS (PCR) - 02/17/2021**  **PASS**

COMPOUND	ACTION LIMIT	RESULT	RESULT
Shiga toxin-producing <i>Escherichia coli</i>	Detect	ND	PASS
<i>Salmonella</i> spp.	Detect	ND	PASS
<i>Aspergillus fumigatus</i>		NT	
<i>Aspergillus flavus</i>		NT	
<i>Aspergillus niger</i>		NT	
<i>Aspergillus terreus</i>		NT	

**MICROBIAL IMPURITIES TEST RESULTS (PLATING)**

COMPOUND	RESULT (cfu/g)
Aerobic Plate Count	NT
Total Yeast and Mold	NT

**NOTES**

COA amended, update to results.

