

**SAMPLE NAME: Flex**

Infused, Hemp

**CULTIVATOR / MANUFACTURER**
**Business Name:**
**License Number:**
**Address:**
**DISTRIBUTOR / TESTED FOR**
**Business Name:** TONIC

**License Number:**
**Address:** 2566 Pennsylvania Ave  
Sayre PA 18840

**SAMPLE DETAIL**
**Batch Number:** L-B12-D

**Sample ID:** 240812S005

**Date Collected:** 08/12/2024

**Date Received:** 08/12/2024

**Batch Size:** 1.0 units

**Sample Size:** 1.0 units

**Unit Mass:** 29.5 milliliters per Unit

**Serving Size:**


Scan QR code to verify authenticity of results.

**CANNABINOID ANALYSIS - SUMMARY**
**Total THC:** 36.462 mg/unit

**Total CBD:** 962.467 mg/unit

**Sum of Cannabinoids:** 1036.807 mg/unit

**Total Cannabinoids:** 1036.807 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:

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

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

$$\text{Sum of Cannabinoids} = \Delta^9\text{-THC} + \text{THCa} + \text{CBD} + \text{CBDa} + \text{CBG} + \text{CBGa} +$$

$$\text{THCV} + \text{THCVa} + \text{CBC} + \text{CBCa} + \text{CBDV} + \text{CBDVa} + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$

$$\text{Total Cannabinoids} = (\Delta^9\text{-THC} + 0.877 \cdot \text{THCa}) + (\text{CBD} + 0.877 \cdot \text{CBDa}) +$$

$$(\text{CBG} + 0.877 \cdot \text{CBGa}) + (\text{THCV} + 0.877 \cdot \text{THCVa}) + (\text{CBC} + 0.877 \cdot \text{CBCa}) +$$

$$(\text{CBDV} + 0.877 \cdot \text{CBDVa}) + \Delta^8\text{-THC} + \text{CBL} + \text{CBN}$$
**Density:** 1.0261 g/mL

For quality assurance purposes. Not a Regulatory 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.

*Yasmin*  
 LQC verified by: Yasmin Kakkar  
 Job Title: Senior Laboratory Analyst  
 Date: 08/15/2024

*Josh Wurzer*  
 Approved by: Josh Wurzer  
 Job Title: Chief Compliance Officer  
 Date: 08/15/2024

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



## Cannabinoid Analysis

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

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

### TOTAL THC: 36.462 mg/unit

Total THC ( $\Delta^9$ -THC+0.877\*THCa)

### TOTAL CBD: 962.467 mg/unit

Total CBD (CBD+0.877\*CBDA)

### TOTAL CANNABINOIDS: 1036.807 mg/unit

Total Cannabinoids (Total THC) + (Total CBD) + (Total CBG) + (Total THCV) + (Total CBC) + (Total CBDV) +  $\Delta^8$ -THC + CBL + CBN

### TOTAL CBG: ND

Total CBG (CBG+0.877\*CBGa)

### TOTAL THCV: ND

Total THCV (THCV+0.877\*THCVa)

### TOTAL CBC: 31.418 mg/unit

Total CBC (CBC+0.877\*CBCa)

### TOTAL CBDV: 4.071 mg/unit

Total CBDV (CBDV+0.877\*CBDVa)

## CANNABINOID TEST RESULTS - 08/15/2024

COMPOUND	LOD/LOQ (mg/mL)	MEASUREMENT UNCERTAINTY (mg/mL)	RESULT (mg/mL)	RESULT (%)
CBD	0.004 / 0.011	±1.2169	32.626	3.1796
$\Delta^9$ -THC	0.002 / 0.014	±0.0679	1.236	0.1205
CBC	0.003 / 0.010	±0.0343	1.065	0.1038
CBDV	0.002 / 0.012	±0.0056	0.138	0.0134
CBN	0.001 / 0.007	±0.0014	0.049	0.0048
CBL	0.003 / 0.010	±0.0012	0.032	0.0031
$\Delta^8$ -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
CBG	0.002 / 0.006	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>35.146 mg/mL</b>	<b>3.4252%</b>

### Unit Mass: 29.5 milliliters per Unit

$\Delta^9$ -THC per Unit	36.462 mg/unit
Total THC per Unit	36.462 mg/unit
CBD per Unit	962.467 mg/unit
Total CBD per Unit	962.467 mg/unit
Sum of Cannabinoids per Unit	1036.807 mg/unit
Total Cannabinoids per Unit	1036.807 mg/unit

## DENSITY TEST RESULT

1.0261 g/mL

Tested 08/15/2024

**Method:** QSP 7870 - Sample Preparation