



261 Mountain View Dr  
 Colchester, VT 05446  
 License #: TLAB0030  
 802-767-7256  
 info@onwardanalytics.biz

# Certificate of Analysis

**Client Name:** Forest City  
**License Number:** CLTV0022

**Sample ID:** VT13721  
**Sample Name:** Blue Zushi  
**Sample Lot:** CLTV0022-104-001  
**Sample Matrix:** Flower  
**Date Received:** 9/30/2024  
**Date Reported:** 10/7/2024  
**Date Tested:** 10/1/2024



Total Cannabinoids		
	%	mg/g
<b>Total THC:</b>	<b>19.074</b>	<b>190.741</b>
<b>Total CBD:</b>	<b>--</b>	<b>--</b>
<b>Total Cannabinoids:</b>	<b>21.494</b>	<b>214.940</b>

**Total theoretical CBD % = (CBD%) + (CBDA% \* 0.877)**  
**Total theoretical THC % = (delta-9-THC%) + (THCA% \* 0.877)**

## Potency

Standard potency analysis utilizing High Performance Liquid Chromatography (HPLC; SOP-024-OA) | Test ID: #42155

Analyte	% (Dry)	mg/g (Dry)	%	mg/g	LOD (mg/g)	LOQ (mg/g)
CBC	ND	ND	ND	ND	0.0003	0.0040
CBCA	< LOQ	< LOQ	< LOQ	< LOQ	0.0002	0.0040
CBD	< LOQ	< LOQ	< LOQ	< LOQ	0.0008	0.0040
CBDA	ND	ND	ND	ND	0.0002	0.0040
CBDV	ND	ND	ND	ND	0.0008	0.0040
CBDVA	ND	ND	ND	ND	0.0001	0.0040
CBG	ND	ND	ND	ND	0.0009	0.0040
CBGA	< LOQ	< LOQ	< LOQ	< LOQ	0.0001	0.0040
CBN	ND	ND	ND	ND	0.0004	0.0040
CBNA	ND	ND	ND	ND	0.0002	0.0040
D8 THC	ND	ND	ND	ND	0.0012	0.0040
D9 THC	1.8203	18.203	1.6266	16.266	0.0016	0.0049
D10 THC	ND	ND	ND	ND	0.0004	0.0040
THCA	19.6737	196.737	17.5804	175.804	0.0002	0.0040
THCV	ND	ND	ND	ND	0.0016	0.0049
THCVA	< LOQ	< LOQ	< LOQ	< LOQ	0.0002	0.0040

## Moisture & Water Activity PASS

Water Activity and Moisture Content Analysis (SOP-202-OA) | Test ID: #42156

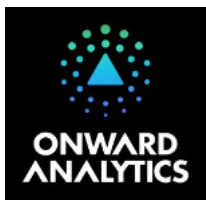
Analyte	Result (%)	Limit	Pass/Fail
Moisture	10.64	13.00	
Water Activity	0.46	0.65	PASS

*Callie Chapman*

Callie Chapman  
 Lab Director  
 10/7/2024

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**Total Terpenes (%) : 1.7647**

Dominant Terpenes (%)	
Myrcene	0.533
Limonene	0.4352
beta-caryophyllene	0.2515
Linalool	0.2411
Nerolidol	0.0889

## Terpenes

Standard terpene analysis utilizing Gas Chromatography – Mass Spectrometry (GC-MS; SOP-069-OA) | Test ID: #42158

Analyte	Result (%)	Result (mg/g)	LOD (mg/g)	LOQ (mg/g)
3-Carene	ND	ND	0.000002	0.001
alpha-Bisabolol	0.0058	0.058	0.000003	0.001
alpha-Humulene	0.0884	0.884	0.000002	0.001
alpha-Pinene	0.038	0.38	0.000001	0.001
alpha-Terpinene	ND	ND	0.000001	0.001
alpha-Terpinolene	0.0043	0.043	0.000004	0.001
beta-caryophyllene	0.2515	2.515	0.000004	0.001
beta-Pinene	0.0571	0.571	0.000002	0.001
Camphene	0.0094	0.094	0.000001	0.001
Caryophyllene Oxide	0.012	0.12	0.000011	0.001
Eucalyptol	ND	ND	0.000002	0.001
gamma-Terpinene	ND	ND	0.000002	0.001
Geraniol	ND	ND	0.000008	0.003
Guaiol	ND	ND	0.000007	0.001
Isopulegol	ND	ND	0.000005	0.001
Isopropyl Toluene	ND	ND	0.000003	0.001
Limonene	0.4352	4.352	0.000002	0.001
Linalool	0.2411	2.411	0.000003	0.001
Nerolidol	0.0889	0.889	0.000007	0.001
Myrcene	0.533	5.33	0.000003	0.001
Ocimene	ND	ND	0.000002	0.001
<b>Total Terpenes</b>	<b>1.7647</b>	<b>17.647</b>		



*Callie Chapman*

Callie Chapman  
 Lab Director  
 10/7/2024

Rev. 1 Initial Release

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## Pathogens PASS

Microbiological screening utilizing qPCR (SOP-204-OA) | Test ID: #42159

Analyte	Result	Pass/Fail
A. Fumigatus	None Detected	PASS
A. Niger	None Detected	PASS
A. Flavus	None Detected	PASS
A. Terreus	None Detected	PASS
STEC	None Detected	PASS
Salmonella	None Detected	PASS



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## Pesticides Pass

Residual pesticide analysis utilizing Liquid Chromatography – Mass Spectrometry (LC-MSMS; SOP-070-OA) - **Limit units: ppm** | Test ID: #42157

Analyte	Pass/Fail	Result (ppm)	Limit	LOD (ppm)	LOQ (ppm)
Abamectin B1a	Pass	ND	0.10000	0.00137	0.00416
Abamectin B1b	Pass	ND	0.10000	0.00016	0.00048
Acephate	Pass	ND	0.10000	0.00233	0.00707
Acequinocyl	Pass	ND	0.10000	0.02958	0.08963
Azoxystrobin	Pass	ND	0.10000	0.00152	0.00459
Bifenazate	Pass	ND	0.10000	0.00101	0.00306
Bifenthrin	Pass	ND	3.00000	0.00385	0.01167
Carbaryl	Pass	ND	0.50000	0.00156	0.00473
Chlorpyrifos	Pass	ND	0.04000	0.00228	0.00689
Cypermethrin	Pass	ND	1.00000	0.00898	0.02720
Etoxazole	Pass	ND	0.10000	0.00176	0.00535
Imazalil	Pass	ND	0.04000	0.00147	0.00446
Imidacloprid	Pass	ND	5.00000	0.00029	0.01774
Myclobutanil	Pass	ND	0.10000	0.00166	0.00504
Spinosyn A	Pass	ND	0.10000	0.00104	0.00315
Spinosyn D	Pass	ND	0.10000	0.00061	0.00185
Pyrethrins	Pass	ND	0.50000	0.00022 0.00498 *	0.00072 0.00015 *

\* Pyrethrins action limit represents sum of isomers I & II



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