

## Queen Black Lime/Watermelon Kush

**Sample ID:** BIA241107S0020  
**Strain:** Queen Black Lime/Watermelon Kush  
**Matrix:** Plant  
**Type:** Flower - Cured  
**Sample Size:** 1.96 g  
**Lot#:** PL-CLTV0058-12-1

**Produced:**  
**Collected:**  
**Received:** 11/07/2024  
**Completed:** 11/15/2024  
**Batch#:** PL-CLTV0058-12-1

**Client:**  
**Old Growth Vermont**  
**Lic. #** CLTV0058  
 1057 BRUCE BADGER MEMORIAL HWY  
 DANVILLE, VT 05828



### Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	11/11/2024	Complete
Moisture	11/08/2024	10.70% - Complete
Water Activity	11/08/2024	0.536 aw - Complete
Terpenes	11/08/2024	Complete
Microbials	11/15/2024	Complete

### Cannabinoids

Completed

<b>21.20%</b> Total THC	<b>0.06%</b> Total CBD	<b>26.38%</b> Total Cannabinoids
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Analyte	LOQ	Results	Results	Mass
	mg/g	%	mg/g	mg/serving
CBDVa	0.0005	<LOQ	<LOQ	
CBDV	0.0012	<LOQ	<LOQ	
CBDa	0.0008	0.07	0.7	
CBGa	0.0008	2.16	21.6	
CBG	0.0019	0.13	1.3	
CBD	0.0019	<LOQ	<LOQ	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	1.11	11.1	
Δ8-THC	0.0019	<LOQ	<LOQ	
Δ10-THC	0.0002	<LOQ	<LOQ	
CBC	0.0024	<LOQ	<LOQ	
THCa	0.0034	22.92	229.2	
<b>Total THC</b>		<b>21.20</b>	<b>212.05</b>	
<b>Total CBD</b>		<b>0.06</b>	<b>0.61</b>	
<b>Total</b>		<b>26.38</b>	<b>263.84</b>	<b>0.00</b>

Analyst: 056

Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)

Total CBD and total THC are calculated values, to account for assumed decarboxylation from the acid form (THCA or CBDA) to the neutral form, causing weight loss of the acid group. These values are calculated as follows:

$$\text{Total THC} = (\text{THCA} \times 0.877) + \Delta 9\text{-THC}$$

$$\text{Total CBD} = (\text{CBDA} \times 0.877) + \text{CBD Reagent}$$

Blanks: &lt; LOQs for all analytes

LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (&lt;LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

Measurement of Uncertainty (MU): the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement. Δ9-THC MU = ±0.005% Total THC MU = ±0.007%

All other cannabinoid MU values are available upon request.

All moisture and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.




Luke Emerson-Mason  
 Laboratory Director  
 11/15/2024

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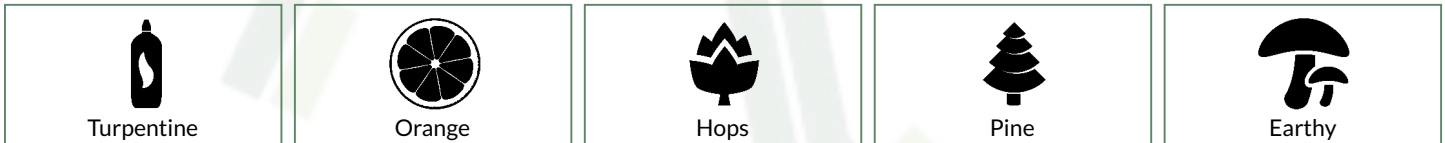
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### Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Terpinolene	0.010	7.146	0.715
Limonene	0.010	6.306	0.631
β-Myrcene	0.010	4.297	0.430
β-Pinene	0.010	3.738	0.374
Ocimene	0.010	3.052	0.305
3-Carene	0.010	2.757	0.276
β-Caryophyllene	0.010	2.090	0.209
α-Pinene	0.010	1.988	0.199
α-Terpinene	0.010	0.954	0.095
α-Humulene	0.010	0.856	0.086
γ-Terpinene	0.010	0.704	0.070
Linalool	0.010	0.477	0.048
Eucalyptol	0.010	0.237	0.024
Geraniol	0.010	0.060	0.006
Camphene	0.010	0.053	0.005
Guaiol	0.010	0.050	0.005
Caryophyllene Oxide	0.010	0.018	0.002
α-Bisabolol	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Isopulegol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
<b>Total</b>		<b>34.783</b>	<b>3.478</b>

### Primary Aromas



Analyst: 048

LOQ = The lowest quantity this method can reliably detect. Any terpene that was not detected is assumed to be less than the stated LOQ (&lt;LOQ).

Terpene Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS

Reagent Blanks: &lt; LOQs for all analytes

All results reflect dry weight of material, based on % moisture of the sample.

All moisture and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.




 Luke Emerson-Mason  
 Laboratory Director  
 11/15/2024

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## Queen Black Lime/Watermelon Kush

Sample ID: BIA241107S0020  
Strain: Queen Black Lime/Watermelon  
Kush  
Matrix: Plant  
Type: Flower - Cured  
Sample Size: 1.96 g  
Lot#: PL-CLTV0058-12-1

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### Pathogens

Completed

Pathogens	LOD	Results
	CFU/g	CFU/g
Aspergillus	5	Not Detected
Shiga Toxin E. Coli	5	Not Detected
Salmonella SPP	5	Not Detected

Analyst: 049

Test Methodology: Bio-Rad IQ-Check PCR Kits

cfu/g = colony forming units per gram

LOD = The lowest quantity that this method can reliably detect. Any microbial growth that was not detected is assumed to be less than the stated LOD (<LOD).

Reagent Blanks: <LOD for all analytes




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## Composite TCK, SV, QBL, CB, HV

**Sample ID:** BIA241107S0025  
**Strain:** Topanga, Sangivo, Queen Lime, Cardi, Hunza  
**Matrix:** Plant  
**Type:** Flower - Cured  
**Sample Size:**  
**Lot#:** PL-CLTV0058-12-1

**Produced:**  
**Collected:**  
**Received:** 11/07/2024  
**Completed:** 11/15/2024  
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### Pesticides

In Progress

Category 1 Pesticides	LOQ	Results
	PPM	PPM
Chlorpyrifos	0.0010	<LOQ
Imazalil	0.0010	<LOQ
Category 2 Pesticides	LOQ	Results
	PPM	PPM
Abamectin	0.0100	<LOQ
Acephate	0.0010	<LOQ
Acequinocyl	0.0010	<LOQ
Azoxystrobin	0.0010	<LOQ
Bifenazate	0.0010	<LOQ
Bifenthrin	0.0010	<LOQ
Carbaryl	0.0010	<LOQ
Cypermethrin	0.0100	<LOQ
Etoxazole	0.0010	<LOQ
Imidacloprid	0.0010	<LOQ
Myclobutanil	0.0010	<LOQ
Spinosyn A	0.0010	<LOQ
Spinosyn D	0.0010	<LOQ

Analyst: 056

Pesticides Methodology: Liquid Chromatography with Tandem Mass Spectrometry using PerkinElme QSight® LX50 UHPLC and QSight 220 Mass Spectrometer

LOQ = The lowest quantity this method can reliably detect. Any pesticide or mycotoxins that was not detected is assumed to be less than the stated LOQ (&lt;LOQ).

ppm = parts per million

All moisture and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.




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