

Flower

Sample ID: BIA250519S0023
 Strain: VT Cheddar

Matrix: Plant
 Type: Bulk Flower
 Sample Size: 7.19 units
 Lot#:

Produced:
 Collected:
 Received: 05/19/2025
 Completed: 05/22/2025
 Batch#: HL 17

Client
King Cola
 Lic. # SCLT0161
 Po Box 17
 Williamstown, VT 05679



Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	05/20/2025	Complete
Moisture	05/19/2025	9.90% - Complete
Water Activity	05/19/2025	0.495 aw - Complete
Terpenes	05/22/2025	Complete
Microbials	05/22/2025	Complete

Cannabinoids

Completed

25.19%		0.07%		30.69%	
Total THC		Total CBD		Total Cannabinoids	
Analyte	LOQ	Results	Results	Mass	
	mg/g	%	mg/g	mg/serving	
CBDVa	0.0005	<LOQ	<LOQ		
CBDV	0.0012	<LOQ	<LOQ		
CBDa	0.0008	0.09	0.9		
CBGa	0.0008	1.91	19.1		
CBG	0.0019	0.08	0.8		
CBD	0.0019	<LOQ	<LOQ		
THCV	0.0021	<LOQ	<LOQ		
CBN	0.0013	<LOQ	<LOQ		
Δ9-THC	0.0020	0.75	7.5		
Δ8-THC	0.0019	<LOQ	<LOQ		
Δ10-THC	0.0002	<LOQ	<LOQ		
CBC	0.0024	<LOQ	<LOQ		
THCa	0.0034	27.86	278.6		
Total THC		25.19	251.87		
Total CBD		0.07	0.75		
Total		30.69	306.88	0.00	

Analyst: 048

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: < 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 (<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
 05/22/2025

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Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Limonene	0.010	6.607	0.661
β -Myrcene	0.010	3.664	0.366
β -Caryophyllene	0.010	2.804	0.280
Ocimene	0.010	2.261	0.226
Linalool	0.010	2.086	0.209
β -Pinene	0.010	1.636	0.164
α -Humulene	0.010	1.310	0.131
α -Pinene	0.010	0.980	0.098
Eucalyptol	0.010	0.203	0.020
Camphene	0.010	0.175	0.018
Terpinolene	0.010	0.127	0.013
γ -Terpinene	0.010	0.039	0.004
α -Terpinene	0.010	0.022	0.002
Geraniol	0.010	0.012	0.001
3-Carene	0.010	<LOQ	<LOQ
α -Bisabolol	0.010	<LOQ	<LOQ
Caryophyllene Oxide	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Guaiol	0.010	<LOQ	<LOQ
Isopulegol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
Total		21.928	2.193

Primary Aromas

 Orange	 Hops	 Cinnamon	 Earthy	 Lavender
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Analyst: 052

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

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

Reagent Blanks: < LOQs for all analytes

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

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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: 018

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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