Bia Diagnostics
Samples received Monday -
Friday, 10am-5pm
Colchester, VT 05446

(802) 540-0148
https://www.biadiagnostics.com/
Lic# TLAB0029

QA Testing

1 of 3

Bia Diagnostics
Laboratories

VT Cheddar

Sample ID: BIA251010S0255
Strain: VT Cheddar

Matrix: Plant
Type: Flower - Cured
Sample Size: 8.05 g
Lot#:

Produced:
Collected:
Received: 10/10/2025
Completed: 10/17/2025
Batch#: SCLT0161-19 F

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

Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	10/14/2025	Complete
Moisture	10/13/2025	11.10% - Complete
Water Activity	10/13/2025	0.574 aw - Complete
Terpenes	10/14/2025	Complete
Microbials	10/17/2025	Complete

Cannabinoids

Completed

24.81% Total THC	**0.09%** Total CBD	**30.57%** Total Cannabinoids

Analyte	LOQ mg/g	Results %	Results mg/g	Mass mg/serving	Analyte	LOQ mg/g	Results %	Results mg/g	Mass mg/serving
CBDVa	0.0003	<LOQ	<LOQ		CBCVa	0.0003	<LOQ	<LOQ	
CBDV	0.0003	<LOQ	<LOQ		CBNa	0.0003	0.06	0.6	
CBDa	0.0005	0.10	1.0		Δ9-THC	0.0005	1.61	16.1	
CBGa	0.0005	0.95	9.5		Δ8-THC	0.0003	0.04	0.4	
CBG	0.0005	0.11	1.1		Δ10-THC*	0.0002	<LOQ	<LOQ	
CBD	0.0005	<LOQ	<LOQ		CBL	0.0005	<LOQ	<LOQ	
THCV	0.0003	0.07	0.7		CBC	0.0003	0.30	3.0	
CBLV	0.0003	0.06	0.6		THCa	0.0005	26.45	264.5	
CBCV	0.0003	<LOQ	<LOQ		CBCa	0.0006	0.62	6.2	
THCVa	0.0003	0.21	2.1		CBLa	0.0005	<LOQ	<LOQ	
CBN	0.0005	<LOQ	<LOQ		**Total THC**		**24.81**	**248.05**	
					Total CBD		**0.09**	**0.85**	
					Total		**30.57**	**305.74**	**0.00**

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:
TotalTHC=(THCAx0.877)+Δ9-THC
Total CBD = (CBDA x 0.877) + 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.
*The result is the sum of delta-10 isomers.

Luke E-m

Luke Emerson-Mason
Laboratory Director
10/17/2025

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Terpenes

Completed

Analyte	LOQ mg/g	Results mg/g	Results %
Limonene	0.010	3.265	0.327
Ocimene	0.010	2.977	0.298
β-Myrcene	0.010	2.626	0.263
Linalool	0.010	2.283	0.228
β-Caryophyllene	0.010	2.223	0.222
β-Pinene	0.010	1.584	0.158
α-Pinene	0.010	1.082	0.108
α-Humulene	0.010	0.924	0.092
Eucalyptol	0.010	0.245	0.025
Camphene	0.010	0.177	0.018
Terpinolene	0.010	0.143	0.014
γ-Terpinene	0.010	0.055	0.006
α-Terpinene	0.010	0.030	0.003
3-Carene	0.010	<LOQ	<LOQ
α-Bisabolol	0.010	<LOQ	<LOQ
Caryophyllene Oxide	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Geraniol	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		**17.614**	**1.761**

Primary Aromas

Orange	Earthy	Hops	Lavender	Cinnamon

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

Luke E-m
Luke Emerson-Mason
Laboratory Director
10/17/2025

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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

Luke Emerson-Mason
Laboratory Director
10/17/2025

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