![Bia Diagnostics Laboratories logo]

Bia Diagnostics
480 Hercules Drive Suite 101
Colchester, VT 05446

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

Flower

Sample ID: BIA240709S0009
Strain: Sour Tangie

Matrix: Plant
Type: Bulk Flower
Sample Size: 5.2 g
Lot#:

Produced:
Collected:
Received: 07/09/2024
Completed: 07/18/2024
Batch#: HL 11

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

Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	07/12/2024	Complete
Moisture	07/10/2024	12.00% - Complete
Water Activity	07/10/2024	0.605 aw - Complete
Terpenes	07/10/2024	Complete
Microbials	07/18/2024	Complete

Cannabinoids

Completed

18.86% Total THC	0.07% Total CBD	22.23% Total Cannabinoids

Analyte	LOQ mg/g	Results %	Results mg/g	Mass mg/serving
CBDVa	0.0005	<LOQ	<LOQ	
CBDV	0.0012	<LOQ	<LOQ	
CBDa	0.0008	0.08	0.8	
CBGa	0.0008	0.62	6.2	
CBG	0.0019	0.12	1.2	
CBD	0.0019	<LOQ	<LOQ	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	0.79	7.9	
Δ8-THC	0.0019	<LOQ	<LOQ	
Δ10-THC	0.0002	<LOQ	<LOQ	
CBC	0.0024	<LOQ	<LOQ	
THCa	0.0034	20.61	206.1	
Total THC		**18.86**	**188.64**	
Total CBD		**0.07**	**0.71**	
Total		**22.23**	**222.25**	**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 analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.

Luke Emerson-Mason
Laboratory Director
07/18/2024

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Terpenes
Completed

Analyte	LOQ mg/g	Results mg/g	Results %
Terpinolene	0.010	6.496	0.650
β-Myrcene	0.010	6.376	0.638
Limonene	0.010	2.679	0.268
β-Caryophyllene	0.010	2.481	0.248
β-Pinene	0.010	1.820	0.182
Ocimene	0.010	1.469	0.147
Linalool	0.010	1.222	0.122
α-Pinene	0.010	1.137	0.114
3-Carene	0.010	0.936	0.094
α-Humulene	0.010	0.748	0.075
α-Terpinene	0.010	0.334	0.033
γ-Terpinene	0.010	0.299	0.030
Eucalyptol	0.010	0.100	0.010
α-Bisabolol	0.010	0.076	0.008
Camphene	0.010	0.057	0.006
Caryophyllene Oxide	0.010	0.035	0.004
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		**26.265**	**2.626**

Primary Aromas

Turpentine	Hops	Orange	Cinnamon	Pine

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 analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.

Luke E-m
Luke Emerson-Mason
Laboratory Director
07/18/2024

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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

Luke Emerson-Mason
Laboratory Director
07/18/2024

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coa.support@confidentlims.com
(866) 506-5866
www.confidentlims.com

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