

Flower

 Sample ID: BIA241007S0004
 Strain: Sour Tangie

 Produced:
 Collected:
 Received: 10/07/2024
 Completed: 10/11/2024
 Batch#: HL 13

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

 Matrix: Plant
 Type: Bulk Flower
 Sample Size: 7.78 g
 Lot#:


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	10/08/2024	Complete
Moisture	10/08/2024	11.20% - Complete
Water Activity	10/08/2024	0.560 aw - Complete
Terpenes	10/10/2024	Complete
Microbials	10/10/2024	Complete

Cannabinoids

Completed

21.45% Total THC	0.07% Total CBD	25.10% 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	0.08	0.8	
CBGa	0.0008	0.56	5.6	
CBG	0.0019	0.11	1.1	
CBD	0.0019	<LOQ	<LOQ	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	0.78	7.8	
Δ8-THC	0.0019	<LOQ	<LOQ	
Δ10-THC	0.0002	<LOQ	<LOQ	
CBC	0.0024	<LOQ	<LOQ	
THCa	0.0034	23.57	235.7	
Total THC		21.45	214.54	
Total CBD		0.07	0.70	
Total		25.10	250.99	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:

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

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

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
 10/11/2024

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 (866) 506-5866
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Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Terpinolene	0.010	4.776	0.478
β-Myrcene	0.010	3.754	0.375
β-Pinene	0.010	2.326	0.233
Limonene	0.010	1.970	0.197
β-Caryophyllene	0.010	1.830	0.183
α-Pinene	0.010	1.541	0.154
3-Carene	0.010	1.330	0.133
Ocimene	0.010	1.049	0.105
Linalool	0.010	0.913	0.091
α-Humulene	0.010	0.675	0.068
α-Terpinene	0.010	0.405	0.040
γ-Terpinene	0.010	0.395	0.039
Eucalyptol	0.010	0.100	0.010
Camphene	0.010	0.054	0.005
α-Bisabolol	0.010	0.044	0.004
Caryophyllene Oxide	0.010	0.019	0.002
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		21.181	2.118

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 (<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.




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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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