Bia Diagnostics Laboratories

Bia Diagnostics
480 Hercules Drive Suite 101
Colchester, VT 05446

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

QA Testing

1 of 3

Rainbow Sherbert Infused Preroll

Sample ID: BIA241111S0015
Strain: Rainbow Sherbert

Matrix: Plant
Type: Enhanced/Infused Preroll
Sample Size: 4 units
Lot#:

Produced:
Collected:
Received: 11/11/2024
Completed: 11/15/2024
Batch#:

Client
Kingdom Canna

Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	11/13/2024	Complete
Moisture	11/12/2024	8.80% - Complete
Water Activity	11/12/2024	0.409 aw - Complete
Terpenes	11/12/2024	Complete
Microbials	11/15/2024	Complete

Cannabinoids

Completed

40.10%	0.16%	45.78%
Total THC	Total CBD	Total Cannabinoids

Analyte	LOQ	Mass	Mass	
	%	%	mg/g	
CBDVa	0.0001	<LOQ	<LOQ	
CBDV	0.0001	<LOQ	<LOQ	
CBDa	0.0001	0.18	1.8	
CBGa	0.0001	1.15	11.5	
CBG	0.0002	0.24	2.4	
CBD	0.0002	<LOQ	<LOQ	
THCV	0.0002	0.27	2.7	
CBN	0.0001	0.16	1.6	
Δ9-THC	0.0002	16.00	160.0	
Δ8-THC	0.0002	<LOQ	<LOQ	
Δ10-THC	0.0000	0.09	0.9	
CBC	0.0002	0.21	2.1	
THCa	0.0003	27.48	274.8	
Total THC		**40.10**	**401.00**	
Total CBD		**0.16**	**1.56**	
Total		**45.78**	**457.84**	

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.

Luke Emerson-Mason
Laboratory Director
11/15/2024

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Terpenes

Completed

Analyte	LOQ mg/g	Results mg/g	Results %
Limonene	0.010	4.406	0.441
Linalool	0.010	2.724	0.272
β-Myrcene	0.010	2.620	0.262
Ocimene	0.010	2.246	0.225
β-Caryophyllene	0.010	2.041	0.204
β-Pinene	0.010	1.030	0.103
α-Pinene	0.010	0.901	0.090
α-Humulene	0.010	0.688	0.069
Terpinolene	0.010	0.233	0.023
Camphene	0.010	0.150	0.015
Caryophyllene Oxide	0.010	0.096	0.010
Eucalyptol	0.010	0.047	0.005
α-Bisabolol	0.010	0.030	0.003
Geraniol	0.010	0.026	0.003
γ-Terpinene	0.010	0.023	0.002
3-Carene	0.010	0.018	0.002
α-Terpinene	0.010	0.017	0.002
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		**17.296**	**1.730**

Primary Aromas

Orange	Lavender	Hops	Earthy	Cinnamon

Analyst: 045

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
11/15/2024

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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: 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
11/15/2024