

RPOG - HL1

Sample ID: BIA241212S0019
 Strain: Reserva Privada OG Kush

Matrix: Plant
 Type: Flower - Cured
 Sample Size: 9.69 g
 Lot#:

Produced:
 Collected:
 Received: 12/13/2024
 Completed: 12/20/2024
 Batch#:

Client
Knotted Root
 Lic. # SCLT0404
 294 Farm Rd.
 Arlington, VT 05250



Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	12/18/2024	Complete
Moisture	12/13/2024	10.20% - Complete
Water Activity	12/13/2024	0.504 aw - Complete
Terpenes	12/17/2024	Complete
Microbials	12/16/2024	Complete

Cannabinoids

Completed

25.66%		0.07%		30.60%	
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	0.07	0.7		
CBGa	0.0008	1.17	11.7		
CBG	0.0019	0.09	0.9		
CBD	0.0019	<LOQ	<LOQ		
THCV	0.0021	<LOQ	<LOQ		
CBN	0.0013	<LOQ	<LOQ		
Δ9-THC	0.0020	0.45	4.5		
Δ8-THC	0.0019	0.07	0.7		
Δ10-THC	0.0002	<LOQ	<LOQ		
CBC	0.0024	<LOQ	<LOQ		
THCa	0.0034	28.75	287.5		
Total THC		25.66	256.57		
Total CBD		0.07	0.65		
Total		30.60	306.03	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
 12/20/2024

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Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Limonene	0.010	9.794	0.979
Ocimene	0.010	5.243	0.524
β -Myrcene	0.010	4.402	0.440
β -Pinene	0.010	3.458	0.346
Linalool	0.010	3.172	0.317
β -Caryophyllene	0.010	2.242	0.224
α -Pinene	0.010	1.747	0.175
Terpinolene	0.010	1.108	0.111
α -Humulene	0.010	0.843	0.084
Camphene	0.010	0.320	0.032
Isopulegol	0.010	0.279	0.028
Geraniol	0.010	0.080	0.008
α -Bisabolol	0.010	0.047	0.005
α -Terpinene	0.010	0.045	0.004
γ -Terpinene	0.010	0.033	0.003
3-Carene	0.010	<LOQ	<LOQ
Caryophyllene Oxide	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Eucalyptol	0.010	<LOQ	<LOQ
Guaiol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
Total		32.812	3.281

Primary Aromas

 Orange	 Earthy	 Hops	 Pine	 Lavender
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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.




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 12/20/2024

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