

MANU0027-IP0002

Sample ID: BIA251107S0239
 Strain: Rum Cream Infused Preroll
 Harvest Lot: MANU0027-IP0002
 Matrix: Plant
 Type: Enhanced/Infused Preroll
 Sample Size: 3 units
 Lot#:

Produced:
 Collected:
 Received: 11/07/2025
 Completed: 11/17/2025
 Batch#:

Client
Northeast Kingdom Hemp
 Lic. #
 Barton, VT 05822



Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	11/12/2025	Complete
Moisture	11/11/2025	8.10% - Complete
Water Activity	11/11/2025	0.354 aw - Complete
Terpenes	11/11/2025	Complete

Cannabinoids

Completed

33.57% Total THC				ND Total CBD				36.21% Total Cannabinoids			
Analyte	LOQ	Mass	Mass	Analyte	LOQ	Mass	Mass				
	%	%	mg/g		%	%	mg/g				
CBDVa	0.0000	<LOQ	<LOQ	CBCVa	0.0000	<LOQ	<LOQ				
CBDV	0.0000	<LOQ	<LOQ	CBNa	0.0000	<LOQ	<LOQ				
CBDa	0.0001	<LOQ	<LOQ	Δ9-THC	0.0001	24.18	241.8				
CBGa	0.0001	0.45	4.5	Δ8-THC	0.0000	<LOQ	<LOQ				
CBG	0.0001	0.33	3.3	Δ10-THC*	0.0000	<LOQ	<LOQ				
CBD	0.0001	<LOQ	<LOQ	CBL	0.0001	<LOQ	<LOQ				
THCV	0.0000	0.11	1.1	CBC	0.0000	0.28	2.8				
CBLV	0.0000	<LOQ	<LOQ	THCa	0.0001	10.71	107.1				
CBCV	0.0000	<LOQ	<LOQ	CBCa	0.0001	<LOQ	<LOQ				
THCVa	0.0000	<LOQ	<LOQ	CBLa	0.0001	<LOQ	<LOQ				
CBN	0.0001	0.14	1.4	Total THC		33.57	335.74				
				Total CBD		ND	ND				
				Total		36.21	362.14				

Analyst: 052

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.

*The result is the sum of delta-10 isomers.




 Luke Emerson-Mason
 Laboratory Director
 11/17/2025

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 (866) 506-5866
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Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Limonene	0.010	2.836	0.284
Ocimene	0.010	2.354	0.235
β-Caryophyllene	0.010	2.286	0.229
β-Myrcene	0.010	2.154	0.215
Linalool	0.010	1.827	0.183
β-Pinene	0.010	0.804	0.080
α-Humulene	0.010	0.733	0.073
α-Pinene	0.010	0.560	0.056
Terpinolene	0.010	0.170	0.017
Camphene	0.010	0.089	0.009
α-Bisabolol	0.010	0.041	0.004
Eucalyptol	0.010	0.039	0.004
Caryophyllene Oxide	0.010	0.023	0.002
Geraniol	0.010	0.015	0.001
γ-Terpinene	0.010	0.014	0.001
Isopulegol	0.010	0.010	0.001
3-Carene	0.010	<LOQ	<LOQ
α-Terpinene	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Guaiol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
Total		13.957	1.396

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

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