

# MANU0027-IP0006

**Sample ID:** BIA251218S0444  
**Strain:** Stonefruit Hot Rod  
**Harvest Lot:**  
**Matrix:** Plant  
**Type:** Enhanced/Infused Preroll  
**Sample Size:** 1.879 g  
**Lot#:**

**Produced:**  
**Collected:**  
**Received:** 12/18/2025  
**Completed:** 12/23/2025  
**Batch#:**

**Client:**  
**Northeast Kingdom Hemp**  
**Lic. #**  
 Barton, VT 05822



## Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	12/19/2025	Complete
Moisture	12/18/2025	7.80% - Complete
Water Activity	12/18/2025	0.329 aw - Complete
Terpenes	12/22/2025	Complete

## Cannabinoids

Completed

<b>37.24%</b> Total THC	<b>ND</b> Total CBD	<b>42.03%</b> Total Cannabinoids
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Analyte	LOQ	Mass	Mass	Analyte	LOQ	Mass	Mass
	mg/g	%	mg/g		mg/g	%	mg/g
CBDVa	0.0003	<LOQ	<LOQ	CBCVa	0.0003	<LOQ	<LOQ
CBDV	0.0003	<LOQ	<LOQ	CBNa	0.0003	<LOQ	<LOQ
CBDa	0.0005	<LOQ	<LOQ	Δ9-THC	0.0005	21.44	214.4
CBGa	0.0005	1.02	10.2	Δ8-THC	0.0003	<LOQ	<LOQ
CBG	0.0005	0.60	6.0	Δ10-THC*	0.0002	<LOQ	<LOQ
CBD	0.0005	<LOQ	<LOQ	CBL	0.0005	<LOQ	<LOQ
THCV	0.0003	0.18	1.8	CBC	0.0003	0.32	3.2
CBLV	0.0003	<LOQ	<LOQ	THCa	0.0005	18.01	180.1
CBCV	0.0003	<LOQ	<LOQ	CBCa	0.0006	0.26	2.6
THCVa	0.0003	0.20	2.0	CBLa	0.0005	<LOQ	<LOQ
CBN	0.0005	<LOQ	<LOQ	<b>Total THC</b>		<b>37.24</b>	<b>372.40</b>
				<b>Total CBD</b>		<b>ND</b>	<b>ND</b>
				<b>Total</b>		<b>42.03</b>	<b>420.30</b>

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: &lt; 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 (&lt;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  
 12/23/2025

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## Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Limonene	0.010	3.425	0.343
β-Caryophyllene	0.010	2.877	0.288
Ocimene	0.010	2.848	0.285
β-Myrcene	0.010	1.849	0.185
β-Pinene	0.010	1.687	0.169
α-Pinene	0.010	1.672	0.167
Linalool	0.010	1.372	0.137
α-Humulene	0.010	1.257	0.126
Camphene	0.010	0.225	0.023
Terpinolene	0.010	0.222	0.022
α-Bisabolol	0.010	0.087	0.009
Isopulegol	0.010	0.085	0.008
Guaiol	0.010	0.038	0.004
Eucalyptol	0.010	0.037	0.004
Caryophyllene Oxide	0.010	0.027	0.003
γ-Terpinene	0.010	0.025	0.003
α-Terpinene	0.010	0.015	0.002
Geraniol	0.010	0.014	0.001
3-Carene	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
<b>Total</b>		<b>17.762</b>	<b>1.776</b>

## Primary Aromas



Analyst: 052

LOQ = The lowest quantity this method can reliably detect. Any terpene that was not detected is assumed to be less than the stated LOQ (&lt;LOQ).

Terpene Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS

Reagent Blanks: &lt; 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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 12/23/2025

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