

## NEK Fuel

Sample ID: BIA241204S0022 Strain: NEK Fuel #2

Matrix: Plant Type: Flower - Cured Sample Size: 5.23 g Lot#: **Bia Diagnostics** 480 Hercules Drive Suite 101 Colchester, VT 05446 (802) 540-0148 https://www.biadiagnostics.com/ Lic# TLAB0029 **QA** Testing

1 of 3

Produced: Collected: Received: 12/04/2024 Completed: 12/12/2024 Batch#: Client Shindig & G's Craft Cannabis LLC Lic. # CLTV0261 86 Chase Dr Irasburg, VT 05845

	Summary		
the second s	Test	Date Tested	Result
	Sample		Complete
	Cannabinoids	12/06/2024	Complete
WELKAR	Moisture	12/04/2024	7.90% - Complete
	Water Activity	12/04/2024	0.372 aw - Complete
MACCONTRACTOR NEW TOTAL Garrendy & City Crant Carrenter.	Terpenes	12/04/2024	Complete
as 1 and 1 and 1	Microbials	12/12/2024	Complete
A second se			
Contraction of the second			
and the second			

## Cannabinoids

	<b>4.99%</b> tal THC		0.06% Total CBD		<b>29.30%</b> Total Cannabinoids
Analyte	LOQ	Results	Results	Mass	
CBDVa CBDV CBDa CBG CBG CBD THCV CBN Δ9-THC Δ8-THC Δ10-THC CBC THCa	mg/g 0.0005 0.0012 0.0008 0.0019 0.0019 0.0019 0.0021 0.0013 0.0020 0.0019 0.0020 0.0019 0.0002 0.0024 0.0034	% <loq 0.07 0.77 0.06 <loq 0.04 <loq 0.98 <loq <loq <loq <loq 27.38</loq </loq </loq </loq </loq </loq </loq 	mg/g <loq <loq 0.7 7.7 0.6 <loq 0.4 <loq 9.8 <loq <loq <loq <loq 273.8</loq </loq </loq </loq </loq </loq </loq </loq 	mg/serving	
Total THC Total CBD Total	0.0034	24.99 0.06 29.30	249.88 0.61 292.99	0.00	

Analyst: 056

Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR TM 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)+ $\Delta$ 9-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.  $\Delta 9$ -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.



ulle Luke Emerson-Mason

Laboratory Director

12/12/2024

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Completed



Analyte

Limonene

## NEK Fuel

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Matrix: Plant Type: Flower - Cured Sample Size: 5.23 g Lot#:

#### Terpenes

Produced: Collected:

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100

mg/g

0.010

Results

mg/g

7.337

24.938

Completed

Results

0.734 0.626

0.329

0.215

0.215

0.127

0.118

0.089

0.025

0.009

0.005

0.002

<LOQ

<LOQ <LOQ

2.494

%

Ocimene	0.010	6.263
β-Myrcene	0.010	3.295
β-Pinene	0.010	2.155
β-Caryophyllene	0.010	2.149
α-Pinene	0.010	1.270
Linalool	0.010	1.177
α-Humulene	0.010	0.891
Camphene	0.010	0.247
Terpinolene	0.010	0.093
α-Bisabolol	0.010	0.045
y-Terpinene	0.010	0.016
3-Carene	0.010	<loq< td=""></loq<>
α-Terpinene	0.010	<loq< td=""></loq<>
Caryophyllene Oxide	0.010	<loq< td=""></loq<>
sis Norolidal	0.010	400

cis-Nerolidol	0.010	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Eucalyptol	0.010	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Geraniol	0.010	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Guaiol	0.010	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Isopulegol	0.010	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
p-Cymene	0.010	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
trans-Nerolidol	0.010	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>

Total Primary Aromas

	77	<b>\$</b>	ŧ	<b>M</b>
Orange	Earthy	Hops	Pine	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 (<LÒQ).

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.



sample as received.

мЮ Luke Emerson-Mason

Laboratory Director

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# **NEK Fuel**

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#### Pathogens

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Completed

Pathogens	LOD	Results
	CFU/g	CFU/g
Aspergillus	5	Not Detected
Shiga Toxin E. Coli	5	Not Detected
Salmonella SPP	5	Not Detected

(802) 540-0148

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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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Luke Emerson-Mason Laboratory Director 12/12/2024

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