



# Certificate of Analysis

Sample: KN30627001-001  
Harvest/Lot ID: ENERGY FS 5000  
Batch#: ENERGY FS 5000  
Batch Date: 06/22/23  
Sample Size Received: 30 ml  
Retail Product Size: 30 ml  
Ordered: 06/22/23  
Sampled: 06/22/23  
Completed: 07/03/23

**TESTED**

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Jul 03, 2023 | Nunn Better Health & Wellness

180 East Interlake Blvd  
Lake Placid, FL, 33852, US



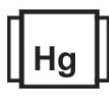
## PRODUCT IMAGE



## SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals Solvents  
**PASSED**



Filth  
**PASSED**



Water Activity  
**NOT TESTED**



Moisture  
**NOT TESTED**



Terpenes  
**TESTED**

## MISC.



## Potency

**TESTED**



Total THC  
**0.3239%**



Total CBD  
**18.7825%**



Total Cannabinoids  
**28.1093%**

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	D10-THC	CBC	THCA
%	0.224	0.0165	ND	4.1129	18.7681	ND	0.4523	0.3239	0.0393	ND	4.1723	ND
mg/ml	2.1504	0.1584	ND	39.4838	180.1737	ND	4.342	3.1094	0.3772	ND	40.054	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by:  
2657, 3050

Weight:  
0.2039g

Extraction date:  
06/27/23 10:35:17

Extracted by:  
2837

Analysis Method : SOP.T.30.031.TN & SOP.T.40.031.TN Expanded Measurement of Uncertainty: Flower Matrix d9-THC:  $\pm 0.100$ , THCa:  $\pm 0.124$ , TOTAL THC  $\pm 0.112$ . These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor  $k=2$  for a normal distribution.

Analytical Batch : KN003907POT

Instrument Used : E-SHI-008

Running on : N/A

Reviewed On : 06/28/23 15:31:51

Batch Date : 06/26/23 11:13:55

Dilution : N/A

Reagent : 122922.10; 100422.02; 061623.R02; 062323.R04; 102722.16; 051123.08

Consumables : 302110210; 22/04/01; 220725; 230105059D; 239146; 947B9291.271; GD210005; 1350331; 6121219; 600054; IP250.100

Pipette : E-VWR-120

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). All cannabinoids have an LOQ of 0.01%.



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## Terpenes

**TESTED**

Terpenes	LOD (%)	mg/ml	%	Result (%)	Terpenes	LOD (%)	mg/ml	%	Result (%)
SABINENE HYDRATE	0.0003	ND	ND		3-CARENE	0.0006	ND	ND	
GERANIOL	0.0002	ND	ND		FENCHYL ALCOHOL	0.0002	<0.192	<0.02	
GERANYL ACETATE	0.0006	ND	ND		HEXAHYDROTHYMOL	0.0006	ND	ND	
GUAJOL	0.0002	<0.192	<0.02		EUCALYPTOL	0.0006	ND	ND	
LIMONENE	0.0003	<0.192	<0.02		ISOBORNEOL	0.0006	ND	ND	
LINALOOL	0.0005	ND	ND		FARNESENE	0.0006	ND	ND	
NEROL	0.0007	ND	ND		FENCHONE	0.0005	ND	ND	
OCIMENE	0.0004	ND	ND		Analyzed by: 138, 3050	Weight: 1.0197g	Extraction date: 06/27/23 13:16:27	Extracted by: 138	
ALPHA-PHELLANDRENE	0.0006	ND	ND		Analysis Method : SOP.T.40.061.TN				
PULEGONE	0.0002	ND	ND		Analytical Batch : KN003910TER				Reviewed On : 06/29/23 17:32:46
SABINENE	0.0004	ND	ND		Instrument Used : E-SHI-109				Batch Date : 06/27/23 09:44:35
GAMMA-TERPINENE	0.0003	ND	ND		Running on : N/A				
TERPINEOL	0.0003	<0.2	<0.02		Dilution : 10				
TERPINOLENE	0.0002	<0.192	<0.02		Reagent : 092221.04				
TRANS-CARYOPHYLLENE	0.0006	<0.192	<0.02		Consumables : 302110210; 220725; 211214634-D; 947B9291.271				
TRANS-NEROLIDOL	0.0002	<0.192	<0.02		Pipette : E-GIL-011; E-GIL-013				
VALENCENE	0.0007	<0.192	<0.02		Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography - Mass Spectrometer) which can screen 38 terpenes.				
ALPHA-BISABOLOL	0.0008	0.6902	0.0719						
ALPHA-HUMULENE	0.0003	<0.192	<0.02						
ALPHA-PINENE	0.0004	<0.192	<0.02						
ALPHA-TERPINENE	0.0003	ND	ND						
BETA-MYRCENE	0.0006	ND	ND						
BETA-PINENE	0.0004	<0.192	<0.02						
BORNEOL	0.0006	<0.384	<0.04						
CAMPHENE	0.0007	ND	ND						
CAMPHOR	0.0005	ND	ND						
CARYOPHYLLENE OXIDE	0.0005	0.3273	0.0341						
CEDROL	0.0007	ND	ND						
ALPHA-CEDRENE	0.0003	ND	ND						
ISOPULEGOL	0.0006	ND	ND						
CIS-NEROLIDOL	0.0007	ND	ND						
Total (%)		0.106							



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Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.012	ppm	0.3	PASS	ND	PRALLETHRIN	0.008	ppm	0.4	PASS	ND
ACEPHATE	0.008	ppm	3	PASS	ND	PROPICONAZOLE	0.007	ppm	1	PASS	ND
ACEQUINOCYL	0.038	ppm	2	PASS	ND	PROPOXUR	0.008	ppm	0.1	PASS	ND
ACETAMIPRID	0.009	ppm	3	PASS	ND	PYRETHRINS	0.002	ppm	1	PASS	ND
ALDICARB	0.009	ppm	0.1	PASS	ND	PYRIDABEN	0.007	ppm	3	PASS	ND
AZOXYSTROBIN	0.013	ppm	3	PASS	ND	SPINETORAM	0.004	ppm	3	PASS	ND
BIFENAZATE	0.028	ppm	3	PASS	ND	SPIROMESIFEN	0.009	ppm	3	PASS	ND
BIFENTHRIN	0.047	ppm	0.5	PASS	ND	SPIROTETRAMAT	0.009	ppm	3	PASS	ND
BOSCALID	0.007	ppm	3	PASS	ND	SPIROXAMINE	0.006	ppm	0.1	PASS	ND
CARBARYL	0.015	ppm	0.5	PASS	ND	TEBUCONAZOLE	0.009	ppm	1	PASS	ND
CARBOFURAN	0.008	ppm	0.1	PASS	ND	THIACLOPRID	0.008	ppm	0.1	PASS	ND
CHLORANTRANILIPROLE	0.012	ppm	1	PASS	ND	THIAMETHOXAM	0.009	ppm	1	PASS	ND
CHLORMEQUAT CHLORIDE	0.008	ppm	3	PASS	ND	TOTAL SPINOSAD	0.009	ppm	3	PASS	ND
CHLORPYRIFOS	0.014	ppm	0.1	PASS	ND	TRIFLOXYSTROBIN	0.009	ppm	3	PASS	ND
CLOFENTEZINE	0.006	ppm	0.5	PASS	ND	Analized by:	Weight:	Extraction date:	Extracted by:		
COUMAPHOS	0.009	ppm	0.1	PASS	ND	2803	1.0010g	06/28/23 13:05:39	2803		
DAMINOZIDE	0.006	ppm	0.1	PASS	ND	Analysis Method :	SOP.T.30.101.TN, SOP.T.40.101.TN				
DIAZANON	0.006	ppm	0.2	PASS	ND	Analytical Batch :	KN003914PES				
DICHLORVOS	0.014	ppm	0.1	PASS	ND	Instrument Used :	E-SHI-125				
DIMETHOATE	0.009	ppm	0.1	PASS	ND	Running on :	N/A				
DIMETHOMORPH	0.009	ppm	3	PASS	ND	Dilution :	0.01				
ETHOPROPHOS	0.007	ppm	0.1	PASS	ND	Reagent :	010523.R11; 030723.R19; 052623.R03; 062023.R01; 122322.R26; 101722.04; 011723.04; 032221.01				
ETOFENPROX	0.009	ppm	0.1	PASS	ND	Consumables :	302110210; K130252; 22/04/01; 220725; 2126780; 251760; 201123-058; 211214634-D; 239146;				
ETOXAZOLE	0.007	ppm	1.5	PASS	ND	GD210005; 1350331; 1300.062					
FENHEXAMID	0.005	ppm	3	PASS	ND	Pipette :	E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119				
FENOXYCARB	0.007	ppm	0.1	PASS	ND	Testing for agricultural agents is performed utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry.					
FENPYROXIMATE	0.006	ppm	2	PASS	ND	*Based on FL action limits.					
FIPRONIL	0.008	ppm	0.1	PASS	ND						
FLONICAMID	0.014	ppm	2	PASS	ND						
FLUDIOXONIL	0.011	ppm	3	PASS	ND						
HEXYTHIAZOX	0.009	ppm	2	PASS	ND						
IMAZALIL	0.01	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.005	ppm	3	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND						
MALATHION	0.009	ppm	2	PASS	ND						
METALAXYL	0.008	ppm	3	PASS	ND						
METHIOCARB	0.008	ppm	0.1	PASS	ND						
METHOMYL	0.009	ppm	0.1	PASS	ND						
MEVINPHOS	0.001	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.006	ppm	3	PASS	ND						
NALED	0.023	ppm	0.5	PASS	ND						
OXAMYL	0.009	ppm	0.5	PASS	ND						
PACLOBUTRAZOL	0.007	ppm	0.1	PASS	ND						
PERMETHRINS	0.008	ppm	1	PASS	ND						
PHOSMET	0.009	ppm	0.2	PASS	ND						
PIPERONYL BUTOXIDE	0.006	ppm	3	PASS	ND						





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## Residual Solvents

**PASSED**

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	100	ppm	5000	PASS	ND
BUTANES (N-BUTANE)	100	ppm	5000	PASS	ND
METHANOL	20	ppm	250	PASS	ND
ETHYLENE OXIDE	0.2	ppm	5	PASS	ND
PENTANES (N-PENTANE)	32	ppm	750	PASS	ND
ETHANOL	100	ppm	5000	PASS	ND
ETHYL ETHER	10	ppm	500	PASS	ND
1,1-DICHLOROETHENE	0.6	ppm	8	PASS	ND
ACETONE	40	ppm	750	PASS	ND
2-PROPANOL	25	ppm	500	PASS	ND
ACETONITRILE	20	ppm	60	PASS	ND
DICHLOROMETHANE	2	ppm	125	PASS	ND
N-HEXANE	10	ppm	250	PASS	ND
ETHYL ACETATE	8.3	ppm	400	PASS	ND
CHLOROFORM	0.04	ppm	2	PASS	ND
BENZENE	0.03	ppm	1	PASS	ND
1,2-DICHLOROETHANE	0.05	ppm	2	PASS	ND
HEPTANE	53	ppm	5000	PASS	ND
TRICHLOROETHYLENE	0.5	ppm	25	PASS	ND
TOLUENE	5	ppm	150	PASS	ND
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm	150	PASS	ND

Analyzed by: 138, 3050	Weight: 0.02404g	Extraction date: 07/03/23 10:09:43	Extracted by: 138
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 Analysis Method : SOP.T.40.041.TN  
 Analytical Batch : KN003919SOL  
 Instrument Used : E-SHI-106  
 Running on : N/A

 Reviewed On : 07/03/23 12:38:13  
 Batch Date : 06/30/23 09:11:29

 Dilution : N/A  
 Reagent : N/A  
 Consumables : R2017.167; G201-167; G201.167  
 Pipette : N/A

Residual solvents analysis is performed using Gas Chromatography / Mass Spectrometry. \*Based on FL action limits.



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Microbial						Mycotoxins					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS		AFLATOXIN G2	0.0016	ppm	ND	PASS	0.02
SALMONELLA SPECIFIC GENE			Not Present	PASS		AFLATOXIN G1	0.0012	ppm	ND	PASS	0.02
ASPERGILLUS FLAVUS			Not Present	PASS		AFLATOXIN B2	0.0012	ppm	ND	PASS	0.02
ASPERGILLUS FUMIGATUS			Not Present	PASS		AFLATOXIN B1	0.0012	ppm	ND	PASS	0.02
ASPERGILLUS NIGER			Not Present	PASS		OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
ASPERGILLUS TERREUS			Not Present	PASS		TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	0.02
Analysis Method : SOP.T.40.056C, SOP.T.40.041 LOD is 1 CFU						Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN					
Analytical Batch : KN003905MIC						Analytical Batch : KN003915MYC					
Instrument Used : E-HEW-069						Instrument Used : E-SHI-125					
Running on : N/A						Running on : N/A					
Dilution : N/A						Dilution : 0.01					
Reagent : 101822.09; 061623.01; 010923.06; 072722.06						Reagent : 010523.R11; 030723.R19; 052623.R03; 062023.R01; 122322.R26; 101722.04; 011723.04; 032221.01					
Consumables : 22/04/01; 251773; 242429; 2DAX30621; P7528255; 41218-146C4-146C; 263989; 93825; 007109; n/a; 247040; 0150210						Consumables : 302110210; K130252J; 22/04/01; 220725; 21267B0; 251760; 201123-058; 211214634-D; 239146; GD210005; 1350331; 1300.062					
Pipette : E-THE-045; E-THE-046; E-THE-047; E-THE-048; E-THE-049; E-THE-050; E-THE-051; E-THE-052; E-THE-053; E-THE-054; E-BIO-188						Pipette : E-VWR-116; E-VWR-117; E-VWR-118; E-VWR-119					
Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. With an LOD of 1cfu, if a pathogenic E Coli, Salmonella, A fumigatus, A flavus, A niger, or A terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.						Aflatoxins B1, B2, G1, G2, and Ochratoxins Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry. *Based on FL action limits.					



## Heavy Metals

**PASSED**

Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC-AS	0.02	ppm	ND	PASS	1.5
CADMIUM-CD	0.02	ppm	ND	PASS	0.5
MERCURY-HG	0.02	ppm	ND	PASS	3
LEAD-PB	0.02	ppm	ND	PASS	0.5
Analysis Method : SOP.T.30.082, SOP.T.40.082.TN					
Analytical Batch : KN003911HEA					
Instrument Used : E-AGI-084					
Running on : N/A					
Dilution : N/A					
Reagent : 051123.02; 100422.02; 061323.R04; 050323.R02; 101722.05; 022023.01; 061523.R03; 051523.R39; 031423.R01; 051523.R12; 051723.R03; 051723.R04; 051723.R05; 031623.R02; 041923.R03					
Consumables : 257747; 829C6-829B; 221200; A260422A					
Pipette : E-EPP-081; E-EPP-082					

Heavy Metals analysis is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to single digit ppb concentrations. LOQ is 0.04 ppm for all metals. \*Based on FL action limits.



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**Filth/Foreign  
Material**
**PASSED**

Analyte	LOD	Units	Result	P/F	Action Level
<b>Filth and Foreign Material</b>	1	detect/g	ND	<b>PASS</b>	3

Analyzed by: 2805	Weight: 0.5474g	Extraction date: 06/27/23 09:49:05	Extracted by: 2805
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 Analysis Method : SOP.T.40.090  
 Analytical Batch : KN003889FIL  
 Instrument Used : E-AMS-138  
 Running on : N/A

 Reviewed On : 06/27/23 09:59:39  
 Batch Date : 06/20/23 09:38:43

 Dilution : N/A  
 Reagent : N/A  
 Consumables : N/A  
 Pipette : N/A

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2T13 Stereo Microscope is use for inspection.