

10427 Cogdill Road, Suite 500  
Knoxville, TN, 37932, US  
DEA Number: RC0639128

# Certificate of Analysis

Sample:KN20629007-001  
Harvest/Lot ID: R&D5  
Batch#: batch\_R&D5  
Batch Date: 06/02/22  
Sample Size Received: 19 gram  
Retail Product Size: 19 gram  
Ordered : 06/28/22  
Sampled : 06/28/22  
Completed: 07/25/22

**PASSED**

Page 1 of 5

Jul 25, 2022 | Softer Power Sweets

18 Popletown Rd  
new paltz, NY, 12561, US

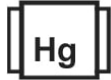
PRODUCT IMAGE



SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals Solvents  
**PASSED**



Filtration  
**PASSED**



Water Activity  
**NOT TESTED**



Moisture  
**NOT TESTED**



Terpenes  
**NOT TESTED**

MISC.



Potency

**PASSED**



Total THC  
**ND**



Total CBD  
**0.2469%**



Total Cannabinoids  
**0.2661%**

	CBDV	CBDa	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBC	THCA	D8-THCO	D9-THCO	THC-O
%	<0.01	<0.01	ND	<0.01	0.2469	ND	ND	ND	<0.01	<0.01	ND	0.0192	ND	ND	ND	ND
mg/g	<0.1	<0.1	ND	<0.1	2.469	ND	ND	ND	<0.1	<0.1	ND	0.192	ND	ND	ND	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analized by: 113, 12, 2692      Weight: 0.2057g      Extraction date: 06/29/22 17:03:11      Extracted by: 113

Analysis Method : SOP.T.30.031.TN & SOP.T.40.031.TN Expanded Measurement of Uncertainty: Flower Matrix d9-THC: ± 0.100, THCa: ± 0.124, TOTAL THC ± 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 : KN002607POT      Reviewed On : 07/25/22 15:15:08

Instrument Used : E-SHI-153 Potency      Batch Date : 06/29/22 11:23:25

Running on : N/A

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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**Darren Converse**  
Lab Director

State License # n/a  
ISO Accreditation # 17025:2017

  
Signature

07/25/22

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Completed : 07/25/22 Expires: 07/25/23

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Page 2 of 5

## Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND
ACEPHATE	0.01	ppm	3	PASS	ND	PRALLETHRIN	0.01	ppm	0.4	PASS	ND
ACEQUINOCYL	0.01	ppm	2	PASS	ND	PROPICONAZOLE	0.01	ppm	1	PASS	ND
ACETAMIPRID	0.01	ppm	3	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	PYRETHRINS	0.01	ppm	1	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	PYRIDABEN	0.01	ppm	3	PASS	ND
BIFENAZATE	0.01	ppm	3	PASS	ND	SPINETORAM	0.01	ppm	3	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND	SPIROMESIFEN	0.01	ppm	3	PASS	ND
BOSCALID	0.01	ppm	3	PASS	ND	SPIROTETRAMAT	0.01	ppm	3	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.01	ppm	1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND	THIAMETHOXAM	0.01	ppm	1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	TOTAL SPINOSAD	0.01	ppm	3	PASS	ND
CLOFENTEZINE	0.01	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	3	PASS	ND
CUMAPHOS	0.01	ppm	0.1	PASS	ND						
CYPERMETHRIN	0.01	ppm	1	PASS	ND						
DAMINOZIDE	0.01	ppm	0.1	PASS	ND						
DIAZANON	0.01	ppm	0.2	PASS	ND						
DICHLORVOS	0.01	ppm	0.1	PASS	ND						
DIMETHOATE	0.01	ppm	0.1	PASS	ND						
DIMETHOMORPH	0.01	ppm	3	PASS	ND						
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND						
ETOFENPROX	0.01	ppm	0.1	PASS	ND						
ETOXAZOLE	0.01	ppm	1.5	PASS	ND						
FENHEXAMID	0.01	ppm	3	PASS	ND						
FENOXYCARB	0.01	ppm	0.1	PASS	ND						
FENPYROXIMATE	0.01	ppm	2	PASS	ND						
FIPRONIL	0.01	ppm	0.1	PASS	ND						
FLONICAMID	0.01	ppm	2	PASS	ND						
FLUDIOXONIL	0.01	ppm	3	PASS	ND						
HEXYTHIAZOX	0.01	ppm	2	PASS	ND						
IMAZALIL	0.01	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.01	ppm	3	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND						
MALATHION	0.01	ppm	2	PASS	ND						
METALAXYL	0.01	ppm	3	PASS	ND						
METHIOCARB	0.01	ppm	0.1	PASS	ND						
METHOMYL	0.01	ppm	0.1	PASS	ND						
MEVINPHOS	0.01	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.01	ppm	3	PASS	ND						
NALED	0.01	ppm	0.5	PASS	ND						
OXAMYL	0.01	ppm	0.5	PASS	ND						
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND						
PERMETHRINS	0.01	ppm	1	PASS	ND						
PHOSMET	0.01	ppm	0.2	PASS	ND						

Analyzed by: 2368, 12	Weight: 0.2076g	Extraction date: 07/14/22 17:00:58	Extracted by: 12
Analysis Method : SOP.T.30.101.TN, SOP.T.40.101.TN		Reviewed On : 07/14/22 19:26:13	
Analytical Batch : KN002659PES		Batch Date : 07/14/22 16:52:43	
Instrument Used : E-SHI-125 Pesticides		Running on : N/A	

Testing for agricultural agents is performed utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry. \*Based on FL action limits.

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**Darren Converse**  
Lab Director

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*D Converse*  
Signature

07/25/22

Signed On



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Telephone: (917) 216-4936  
Email: mcgregorphoto@gmail.com

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Harvest/Lot ID: R&D5  
Batch# : batch\_R&D5  
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Completed : 07/25/22 Expires: 07/25/23

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## Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	500	ppm	2100	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	ND
N-HEXANE	25	ppm	290	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	80	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm	2170	PASS	ND

Analyzed by: 138, 12	Weight: 0.02772g	Extraction date: 07/01/22 16:16:38	Extracted by: 138
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Analysis Method : SOP.T.40.041.TN Analytical Batch : KN002606SOL Instrument Used : E-SHI-106 Residual Solvents Running on : N/A	Reviewed On : 07/01/22 15:19:14 Batch Date : 06/29/22 10:24:37
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Residual solvents analysis is performed using Gas Chromatography / Mass Spectrometry. \*Based on FL action limits.

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Microbial <b>PASSED</b>						Mycotoxins <b>PASSED</b>					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
LISTERIA MONOCYTOGENE			Not Present	PASS		AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS		AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
SALMONELLA SPECIFIC GENE			Not Present	PASS		AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FLAVUS			Not Present	PASS		AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FUMIGATUS			Not Present	PASS		OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
ASPERGILLUS NIGER			Not Present	PASS		TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	0.02
ASPERGILLUS TERREUS			Not Present	PASS							
<b>Analyzed by:</b> 1692, 12 <b>Weight:</b> 1.0043g <b>Extraction date:</b> 06/29/22 14:11:25 <b>Extracted by:</b> 1692 <b>Analysis Method :</b> SOP.T.40.056C, SOP.T.40.041 LOD is 1 CFU <b>Analytical Batch :</b> KN002604MIC <b>Reviewed On :</b> 07/06/22 14:13:41 <b>Instrument Used :</b> Micro E-HEW-069 <b>Batch Date :</b> 06/29/22 09:35:26 <b>Running on :</b> 06/30/22 09:37:00						<b>Analyzed by:</b> 2368, 12 <b>Weight:</b> 7g <b>Extraction date:</b> N/A <b>Extracted by:</b> N/A <b>Analysis Method :</b> SOP.T.30.101.TN, SOP.T.40.101.TN <b>Analytical Batch :</b> KN002641MYC <b>Reviewed On :</b> 07/11/22 14:31:09 <b>Instrument Used :</b> E-SHI-125 Mycotoxins <b>Batch Date :</b> 07/11/22 12:13:48 <b>Running on :</b> N/A					

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.

Hg Heavy Metals <b>PASSED</b>					
Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC-AS	0.02	ppm	ND	PASS	1.5
CADMIUM-CD	0.02	ppm	0.1642	PASS	0.5
MERCURY-HG	0.02	ppm	ND	PASS	3
LEAD-PB	0.02	ppm	<0.1	PASS	0.5
<b>Analyzed by:</b> 138, 12 <b>Weight:</b> 0.2655g <b>Extraction date:</b> 06/30/22 17:32:44 <b>Extracted by:</b> 138 <b>Analysis Method :</b> SOP.T.30.082, SOP.T.40.082.TN <b>Analytical Batch :</b> KN002610HEA <b>Reviewed On :</b> 07/01/22 15:14:51 <b>Instrument Used :</b> Metals ICP/MS <b>Batch Date :</b> 06/29/22 16:28:04 <b>Running on :</b> N/A					

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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*D Converse*  
Signature

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

Analyzed by: 1692	Weight: 0.5421g	Extraction date: 06/29/22 14:12:42	Extracted by: 1692
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Analysis Method : SOP.T.40.090  
Analytical Batch : KN002605FIL  
Instrument Used : E-AMS-138 Microscope  
Running on : N/A

Reviewed On : 06/29/22 14:18:29  
Batch Date : 06/29/22 10:01:45

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.

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