Certificate of Analysis

Sweetwater Hemp Company

27905 Sweetwater Rd
Pleasanton, NE 68866
rory@sweetwaterhempcompany.com

Lic. #31_0058, PH 0011

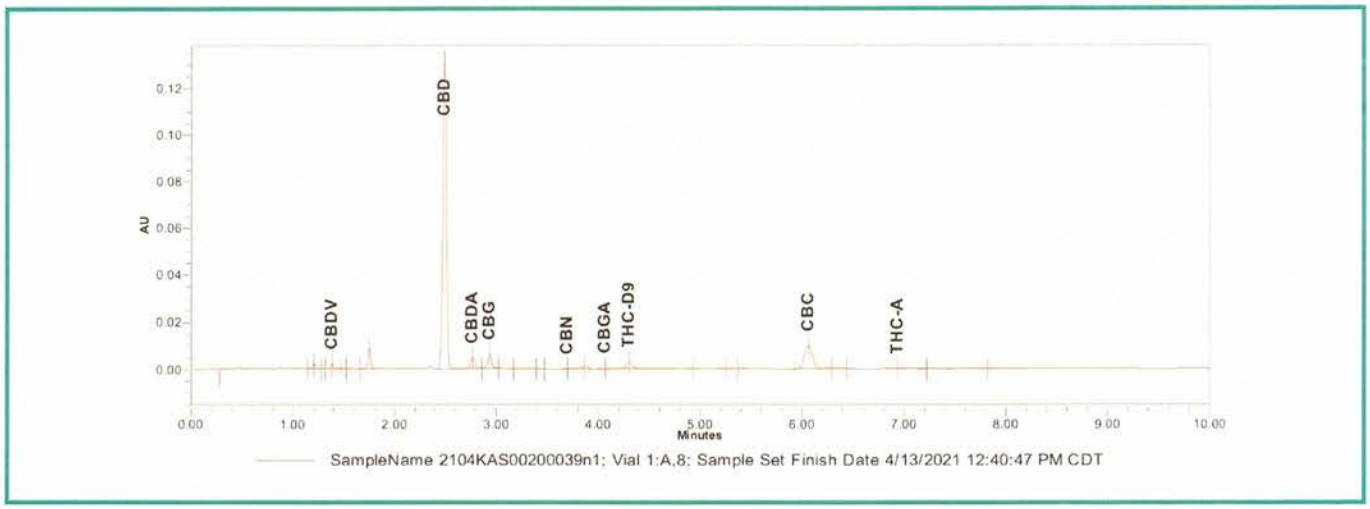
Sample: 2104KAS0020.0039

Strain: Superwoman
Batch#: Superwoman #1; Batch Size: g
Sample Received: 04/12/2021; Report Created: 04/13/2021

Sampling: ; Environment:

Superwoman #1

Concentrates & Extracts, Full Extract Cannabis Oil, Ice/Water
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



Cannabinoids

Uncertainty: %

0.2199%	4.5416%	5.4164%
Pass		
Total THC	Total CBD	Total Cannabinoids

Complete

Analyte	LOD	LOQ	Mass	Mass	Uncertainty
	%	%	%	mg/g	
CBD	0.0001	0.0005	4.4398	44.398	0.4529
CBDa	0.0000	0.0001	0.1161	1.161	0.0109
CBG	0.0001	0.0005	0.2162	2.162	0.0216
CBGa	0.0000	0.0005	0.0187	0.187	0.0018
CBN	0.0000	0.0001	0.0058	0.058	0.0002
Δ9-THC	0.0001	0.0005	0.2174	2.174	0.02
Δ8-THC	0.0001	0.0005	ND	ND	

Analyte	LOD	LOQ	Mass	Mass	Uncertainty
	%	%	%	mg/g	
THCa	0.0001	0.0005	0.0028	0.028	0.003
CBDV	0.0000	0.0001	0.0487	0.487	0.4867
CBC	0.0001	0.0005	0.3510	3.510	0.0632
CBCa			NR	NR	
THCV			NR	NR	
CBL			NR	NR	
Total			**5.4164**	**54.164**	

Total THC = THCa * 0.877 + Δ9-THC
Total CBD = CBDa * 0.877 + CBD
Instrument: Waters ACQUITY UPLC™ H-Class PLUS System with UV detection.
Water Activity Instrument: Rotronic HC2-Aw USB Set.
Moisture Instrument: Mettler Toledo HE53 Halogen Moisture Analyzer

Kennebec Analytical Services, LLC
3800 S 6th St
Lincoln, NE
(402) 413-9796
www.kennebecanalytical.com/
Lic#

Inga Krassovskaya
Lab Director

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Certificate of Analysis

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Lic. #31_0058, PH 0011

Sample: 2106KAS0027.0066

Strain: Superwoman
Batch#: ; Batch Size: g
Sample Received: 06/17/2021; Report Created: 06/29/2021

Sampling: ; Environment:

Superwoman #1 Crude Oil

Concentrates & Extracts, Full Extract Cannabis Oil, Ice/Water
Harvest Process Lot: ; METRC Batch: ; METRC Sample:

Safety

Complete Pesticides	**Not Tested** Microbials	**Complete** Mycotoxins
Not Tested Solvents	**Pass** Metals	**Not Tested** Foreign Matter

Residual Solvents — Not Tested

Analyte	LOQ	Limit	Mass	Status

Microbials — Not Tested

Analyte	Limit	Mass	Status

Heavy Metals — Pass

Analyte	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Arsenic	59	1500	ND	Pass
Cadmium	8	500	ND	Pass
Lead	16	500	ND	Pass
Mercury	2370	3000	ND	Pass

Mycotoxins — Complete

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
B1	0.00		ND	Tested
B2	0.00		ND	Tested
G1	0.00		ND	Tested
G2	0.00		ND	Tested
Ochratoxin A			NR	NT

Instrument: Waters ACQUITY UPLC™ H-Class PLUS System with Xevo™ TQ-S micro Tandem Quadrupole Mass Spectrometer; Method: UPLC-MS/MS.

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Pesticides

Complete

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Abamectin	0.045		ND	Tested
Acephate	0.017		ND	Tested
Acequinocyl			NR	NT
Acetamiprid			ND	Tested
Aldicarb			ND	Tested
Azoxystrobin			NR	NT
Bifenazate	0.002		ND	Tested
Bifenthrin			NR	NT
Boscalid	0.013		ND	Tested
Captan			NR	NT
Carbaryl	0.006		ND	Tested
Carbofuran	0.000		ND	Tested
Chlorantraniliprole	0.021		ND	Tested
Chlordane			NR	NT
Chlorfenapyr			NR	NT
Chlormequat			NR	NT
Chlorpyrifos	0.007		ND	Tested
Clofentezine			NR	NT
Coumaphos			NR	NT
Cyfluthrin	0.062		ND	Tested
Cypermethrin			NR	NT
Daminozide	0.169		ND	Tested
Diazinon	0.005		ND	Tested
Dichlorvos			ND	Tested
Dimethoate	0.002		ND	Tested
Dimethomorph			NR	NT
Ethoprophos			ND	Tested
Etofenprox			NR	NT
Etoxazole			NR	NT
Fenhexamid			NR	NT
Fenoxycarb	0.001		ND	Tested
Fenpyroximate	0.023		ND	Tested
Fipronil	0.095		ND	Tested
Flonicamid	0.013		ND	Tested

Analyte	LOQ	Limit	Mass	Status
	PPM	PPM	PPM	
Fludioxonil	0.113		ND	Tested
Hexythiazox			NR	NT
Imazalil	0.016		ND	Tested
Imidacloprid	0.013		ND	Tested
Kresoxim Methyl			ND	Tested
Malathion			ND	Tested
Metalaxyl	0.004		ND	Tested
Methiocarb	0.008		ND	Tested
Methomyl	0.008		ND	Tested
Methyl Parathion			NR	NT
Mevinphos			NR	NT
MGK-264			NR	NT
Myclobutanil	0.004		ND	Tested
Oxamyl	0.009		ND	Tested
Paclobutrazol			ND	Tested
Pentachloronitrobenzene			NR	NT
Permethrin			NR	NT
Phosmet			ND	Tested
Piperonyl Butoxide			ND	Tested
Prallethrin	0.017		ND	Tested
Propiconazole			ND	Tested
Propoxur	0.004		ND	Tested
Pyrethrins	0.016		ND	Tested
Pyridaben			NR	NT
Spinetoram			NR	NT
Spinosad	0.010		ND	Tested
Spiromesifen			NR	NT
Spirotetramat	0.026		ND	Tested
Spiroxamine	0.015		ND	Tested
Tebuconazole	0.004		ND	Tested
Thiacloprid	0.000		ND	Tested
Thiamethoxam			ND	Tested
Trifloxystrobin			ND	Tested

Instrument: Waters ACQUITY UPLC™ H-Class PLUS System with Xevo™ TQ-S micro Tandem Quadrupole Mass Spectrometer; Method: UPLC-MS/MS.

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THE EMERALD TEST POTENCY IN HEMP BUD

Inga Krassovskaya
Lab Director

ANAB ACCREDITED TESTING LABORATORY

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Harvest Process Lot: ; METRC Batch: ; METRC Sample:

Terpenes

Analyte	LOQ	Mass	Mass
	mg/g	mg/g	%
β-Caryophyllene	0.00	0.81	0.081
(-)-α-Bisabolol	0.00	0.59	0.059
β-Myrcene	0.00	0.43	0.043
α-Humulene	0.00	0.32	0.032
α-Pinene	0.00	0.22	0.022
Guaiol	0.00	0.19	0.019
Caryophyllene Oxide	0.00	0.17	0.017
β-Pinene	0.00	0.14	0.014
trans-Nerolidol	0.00	0.11	0.011
Ocimene	0.00	0.09	0.009
R(+)-Limonene	0.00	0.06	0.006
Linalool	0.00	0.05	0.005
Eucalyptol	0.00	0.02	0.002
Camphene	0.00	0.01	0.001
3-Carene	0.00	ND	ND
α-Cedrene		NR	NR
α-Phellandrene		NR	NR
α-Terpinene	0.00	ND	ND
α-Terpineol		NR	NR
Camphor		NR	NR
Cedrol		NR	NR

Analyte	LOQ	Mass	Mass
	mg/g	mg/g	%
cis-Nerolidol	0.00	ND	ND
Endo-Fenchyl Alcohol		NR	NR
Farnesene		NR	NR
Fenchone		NR	NR
γ-Terpinene	0.00	ND	ND
Geraniol	0.00	ND	ND
Geranyl Acetate		NR	NR
Hexahydro Thymol		NR	NR
Isoborneol		NR	NR
L(-)-Fenchone		NR	NR
Nerol		NR	NR
(-)-Isopulegol	0.00	ND	ND
(1R)-(-)-Camphor		NR	NR
(1S)-(-)-Camphor		NR	NR
(-)-Borneol		NR	NR
(+)-Borneol		NR	NR
(+)-Pulegone		NR	NR
Sabinene		NR	NR
Sabinene Hydrate		NR	NR
Terpinolene	0.00	ND	ND
Valencene		NR	NR

Primary Aromas


Cinnamon


Chamomile


Hops


Pine


Wood

Instrument: Agilent 6890GC- 5973 MSD; Method: GC-MS.

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