

# CERTIFICATE OF ANALYSIS

## ISO/IEC 17025:2017 ACCREDITATION #103104



Order #: 59599  
 Order Name: Pain Salve 300 & 600  
 Batch#: 08072020  
 Received: 08/11/2020  
 Completed: 08/17/2020



New Era Farms  
 4918 Highway 348  
 Olathe CO, 81425  
 (970) 424-1376  
 newerafarmsco@gmail.com



### Sample



**0.048%**  
D9-THC

**1.203%**  
Total CBD

**381.4 mg**  
Cannabinoids per oz

**340.9 mg**  
CBD per oz

1 oz = 28.35 grams per oz x Cannabinoid concentration

### Cannabinoids Test

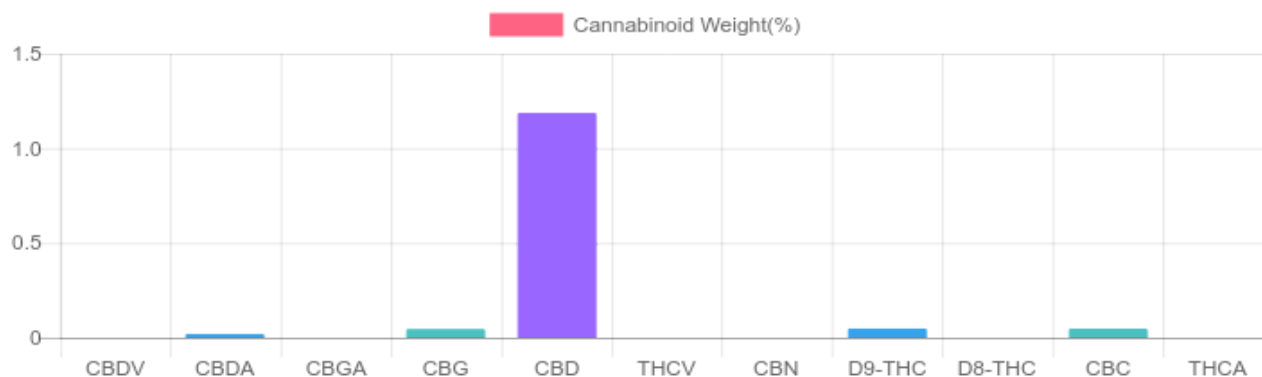
SHIMADZU INTEGRATED UPLC-PDA

GSL SOP 400

PREPARED: 08/11/2020 19:14:12

UPLOADED: 08/12/2020 11:49:05

Cannabinoids	LOQ	weight(%)	mg/g	mg/oz
D9-THC	10 PPM	0.048%	0.480	13.6
THCA	10 PPM	N/D	N/D	N/D
CBD	10 PPM	1.186%	11.856	336.1
CBDA	20 PPM	0.019%	0.193	5.5
CBDV	20 PPM	N/D	N/D	N/D
CBC	10 PPM	0.047%	0.470	13.3
CBN	10 PPM	N/D	N/D	N/D
CBG	10 PPM	0.045%	0.454	12.9
CBGA	20 PPM	N/D	N/D	N/D
D8-THC	10 PPM	N/D	N/D	N/D
THCV	10 PPM	N/D	N/D	N/D
TOTAL D9-THC		0.048%	0.048%	13.6
TOTAL CBD*		1.203%	12.025	340.9
TOTAL CANNABINOIDS		1.345%	13.453	381.4



Reporting Limit 10 ppm

\*Total CBD = CBD + CBDA x 0.877

N/D - Not Detected, B/LOQ - Below Limit of Quantification

Dr. Andrew Hall, Ph.D., Chief Scientific Officer

Ben Witten, MS, MT., Lab Director

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### PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 08/11/2020 21:01:44

UPLOADED: 08/14/2020 12:32:06

LCMS-MS - Shimadzu LCMS-8060

Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)	Pesticide	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
ABAMECTIN B1A	0.100	N/D	0.005	0.001	IMIDACLOPRID	5.000	N/D	0.005	0.001
ACEPHATE	0.100	N/D	0.001	0.001	KRESOXIM-METHYL	0.100	N/D	0.010	0.005
ACEQUINOCYL	0.100	N/D	0.001	0.001	MALATHION	0.500	N/D	0.005	0.001
ACETAMIPRID	0.100	N/D	0.005	0.001	METALAXYL	2.000	N/D	0.001	0.001
ALDICARB	0.100	N/D	0.005	0.001	METHIOCARB	0.100	N/D	0.005	0.001
AZOXYSTROBIN	0.100	N/D	0.001	0.001	METHOMYL	1.000	N/D	0.001	0.001
BIFENAZATE	0.100	N/D	0.005	0.001	MEVINPHOS	0.100	N/D	0.001	0.001
BIFENTHRIN	3.000	N/D	0.005	0.001	MYCLOBUTANIL	0.100	N/D	0.005	0.001
BOSCALID	0.100	N/D	0.005	0.001	NALED	0.100	N/D	0.005	0.001
CARBARYL	0.500	N/D	0.003	0.001	OXAMYL	0.500	N/D	0.001	0.001
CARBOFURAN	0.100	N/D	0.001	0.001	PACLOBUTRAZOL	0.100	N/D	0.005	0.001
CHLORANTRANILIPROLE	10.000	N/D	0.005	0.005	PERMETHRINS	0.500	0.146	0.005	0.001
CHLORPYRIFOS	0.100	N/D	0.001	0.001	PHOSMET	0.100	N/D	0.005	0.001
CLOFENTEZINE	0.100	N/D	0.001	0.001	PIPERONYL	3.000	N/D	0.001	0.001
DAMINOZIDE	0.100	N/D	0.005	0.001	BUTOXIDE	0.100	N/D	0.005	0.005
DIAZINON	0.100	N/D	0.001	0.001	PRALLETHRIN	0.100	N/D	0.010	0.005
DICHLORVOS	0.100	N/D	0.005	0.001	PROPICONAZOLE	0.100	N/D	0.001	0.001
DIMETHOATE	0.100	N/D	0.001	0.001	PROPOXUR	0.500	N/D	0.005	0.005
DIMETHOMORPH	2.000	N/D	0.005	0.001	PYRETHRINS (PYRETHRIN I)	0.100	N/D	0.005	0.001
ETHOPROPHOS	0.100	N/D	0.001	0.001	PYRIDABEN	0.100	N/D	0.001	0.001
ETOFENPROX	0.100	N/D	0.010	0.005	SPINETORAM	0.100	N/D	0.001	0.001
ETOXAZOLE	0.100	N/D	0.005	0.001	SPINOSAD	0.100	N/D	0.005	0.001
FENHEXAMID	0.100	N/D	0.001	0.001	SPIROMESIFEN	0.100	N/D	0.001	0.001
FENOXYCARB	0.100	N/D	0.001	0.001	SPIROTETRAMAT	0.100	N/D	0.001	0.001
FENPYROXIMATE	0.100	N/D	0.003	0.001	SPIROXAMINE	0.100	N/D	0.005	0.001
FIPRONIL	0.100	N/D	0.025	0.010	TEBUCONAZOLE	0.100	N/D	0.001	0.001
FLONICAMID	0.100	N/D	0.003	0.001	THIACLOPRID	5.000	N/D	0.001	0.001
FLUDIOXONIL	0.100	0.005	0.005	0.001	THIAMETHOXAM	0.100	N/D	0.001	0.001
HEXYTHIAZOX	0.100	N/D	0.005	0.001	TRIFLOXYSTROBIN				
IMAZALIL	0.100								

N/D = Not Detected, A/LOQ = Above LOQ Level, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level

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### RESIDUAL SOLVENTS:

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405

Prepared: 08/13/2020 19:22:42

Uploaded: 08/17/2020 14:36:36

Residual Solvent	Action Level (ppm)	Results (ppm)	LOQ (ppm)	LOD (ppm)
1,1-DICHLOROETHENE	8	N/D	0.63	0.63
1,2-DICHLOROETHANE	2	N/D	0.12	0.02
ACETONE	5,000	N/D	140	20
ACETONITRILE	410	N/D	25	1
BENZENE	1	N/D	1	0.5
BUTANE	5,000	N/D	50	10
CHLOROFORM	1	N/D	1	0.5
CIS 1,2-DICHLOROETHENE	5	N/D	0.73	0.18
ETHANOL	5,000	N/D	140	20
ETHYL ACETATE	5,000	N/D	140	20
ETHYL ETHER	5,000	N/D	140	20
ETHYLENE OXIDE	1	N/D	0	0
ISOPROPYL ALCOHOL	5,000	N/D	140	20
METHANOL	3,000	N/D	100	20
METHYLENE CHLORIDE	125	N/D	0.15	0.15
N-HEPTANE	5,000	N/D	140	20
N-HEXANE	290	N/D	18	10
PENTANE	5,000	N/D	140	20
PROPANE	5,000	N/D	20	1
TOLUENE	890	N/D	53	1
TRANS 1,2-DICHLOROETHENE	5	N/D	0.73	0.18
TRICHLOROETHENE	1	N/D	1	0.5
XYLENES	150	N/D	130	20

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### Heavy Metals Analysis:

ICP-MS - Shimadzu ICPMS-2030  
GSL SOP 403

Uploaded: 08/15/2020 03:09:48

Metal	Action Level (ppb)	Result (ppb)
ARSENIC (AS)	200	B/LOQ
CADMIUM (CD)	200	B/LOQ
MERCURY (HG)	100	B/LOQ
LEAD (PB)	500	B/LOQ

Lower Limit of Quantitation (LOQ) is 75 ppb

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