



# Certificate of Analysis

Powered by Confident Cannabis

Dr. Kerklaan Therapeutics

Sample: 1907DBL0233.6700

Berkeley, CA 94710  
 lawrenceh@drkerklaan.com  
 (931) 309-1858

Strain: NA  
 Ordered: 07/19/2019; Sampled: 07/19/2019; Completed: 07/23/2019

## Natural CBD Relief Cream 180mg CBD

Topical, Salve



Dr. Kerklaan  
 THERAPEUTICS



### Cannabinoids

- CBC
- CBCa
- CBD
- CBDa
- CBDV
- CBDVa
- CBG
- CBGa
- CBL
- CBN
- Δ8-THC
- Δ9-THC
- THCa
- THCV
- THCVa

### Cannabinoids

<LOQ

187.871  
 mg/unit

Δ9-THC + Δ8-THC

CBD

196.300  
 mg/unit

Total Cannabinoids

1 Unit = Natural CBD Relief Cream 180mg CBD, 59g

### Cannabinoid Profile

Analyzed by 300.18 UHPLC/PDA

Cannabinoid	Mass mg/unit	Mass mg/g	LOQ mg/unit
CBC	<LOQ	<LOQ	3.008
CBCa	<LOQ	<LOQ	3.008
CBD	187.871	3.184	3.008
CBDa	<LOQ	<LOQ	3.008
CBDV	<LOQ	<LOQ	3.008
CBDVa	<LOQ	<LOQ	3.008
CBG	8.429	0.143	3.008
CBGa	<LOQ	<LOQ	3.008
CBL	<LOQ	<LOQ	3.008
CBN	<LOQ	<LOQ	3.008
Δ8-THC	<LOQ	<LOQ	3.008
Δ9-THC	<LOQ	<LOQ	3.008
THCa	<LOQ	<LOQ	3.008
THCV	<LOQ	<LOQ	3.008
THCVa	<LOQ	<LOQ	3.008
Total THC	ND	ND	
Total CBD	187.871	3.184	
Total	196.300	3.327	

Notes: Solution was ran by an ISO 17025:2017 accredited laboratory for heavy metals.



*Stacy Gardalen*

Stacy Gardalen  
 Quality Control

*Kelly Zaugg*

Kelly Zaugg  
 Quality Control



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Topical, Salve



### Terpenes

Analyzed by 300.13 GC/FID and GC/MS

Compound	LOQ	Mass	Mass	Relative Concentration
	mg/unit	mg/unit	mg/g	
Eucalyptol	9.127	503.311	8.531	
Linalool	9.127	201.944	3.423	
Terpinolene	9.127	157.898	2.676	
δ-Limonene	9.127	48.310	0.819	
p-Cymene	9.127	21.731	0.368	
β-Caryophyllene	9.127	15.948	0.270	
α-Pinene	9.127	13.903	0.236	
γ-Terpinene	9.127	10.749	0.182	
α-Bisabolol	9.127	<LOQ	<LOQ	
α-Humulene	9.127	<LOQ	<LOQ	
α-Terpinene	9.127	<LOQ	<LOQ	
β-Myrcene	9.127	<LOQ	<LOQ	
β-Pinene	9.127	<LOQ	<LOQ	
Camphene	9.127	<LOQ	<LOQ	
Caryophyllene Oxide	9.127	<LOQ	<LOQ	
cis-Nerolidol	5.933	<LOQ	<LOQ	
cis-Ocimene	5.933	<LOQ	<LOQ	
δ-3-Carene	9.127	<LOQ	<LOQ	
Guaiol	9.127	<LOQ	<LOQ	
Isopulegol	9.127	<LOQ	<LOQ	
trans-Nerolidol	3.195	<LOQ	<LOQ	
trans-Ocimene	3.195	<LOQ	<LOQ	

973.792 mg/unit  
Total Terpenes



Eucalyptus



Lavender



Turpentine

Notes: Solution was ran by an ISO 17025:2017 accredited laboratory for heavy metals.



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## Natural CBD Relief Cream 180mg CBD

Topical, Salve




**Microbials** Pass

Analyzed by 300.1 Plating/QPCR

Quantitative Analysis	LOQ	Limit	Mass	Status
	CFU/g	CFU/g	CFU/g	
Aerobic Bacteria	9	100000	<LOQ	Pass
Bile-Tolerant Gram-Negative Bacteria	9	1000	<LOQ	Pass
Coliforms	9	1000	<LOQ	Pass
Yeast & Mold	9	10000	<LOQ	Pass

Qualitative Analysis	Detected or Not Detected	Status
E. Coli	Not Detected	Pass
Salmonella	Not Detected	Pass



**Foreign Matter** Pass



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TNC = Too Numerous to Count



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Topical, Salve



Pesticides				Pass
Analyzed by 300.9 LC/MS/MS and GC/MS/MS				
Compound	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Abamectin	10	50	<LOQ	Pass
Acequinocyl	10	4000	<LOQ	Pass
Bifenazate	10	15000	<LOQ	Pass
Bifenthrin	10	50	<LOQ	Pass
Cyfluthrin	10	4000	<LOQ	Pass
Cypermethrin	10	50	<LOQ	Pass
Daminozide	10	50	<LOQ	Pass
Dimethomorph	10	60000	<LOQ	Pass
Etoxazole	10	7000	<LOQ	Pass
Fenhexamid	10	30000	<LOQ	Pass
Flonicamid	10	7000	<LOQ	Pass
Fludioxonil	10	20	<LOQ	Pass
Imidacloprid	10	50	<LOQ	Pass
Myclobutanil	10	4000	<LOQ	Pass
Paclobutrazol	10	50	<LOQ	Pass
Piperonyl Butoxide	10	10000	<LOQ	Pass
Pyrethrins	10	1000	<LOQ	Pass
Quintozene	10	200	<LOQ	Pass
Spinetoram	10	1700	<LOQ	Pass
Spinosad	10	10000	<LOQ	Pass
Spirotetramat	10	10000	<LOQ	Pass
Thiamethoxam	10	20	<LOQ	Pass
Trifloxystrobin	10	11000	<LOQ	Pass
Plant Growth Regulators	10	50	<LOQ	Pass



Notes: Solution was ran by an ISO 17025:2017 accredited laboratory for heavy metals.



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### Residual Solvents

Analyzed by 300.13 GC/FID and GC/MS

Pass

Compound	LOQ PPM	Limit PPM	Mass PPM	Status
Butanes	99	500	<LOQ	Pass
Heptane	99	500	<LOQ	Pass
Propane	99	500	<LOQ	Pass



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### Mycotoxins

Analyzed by 300.2 Elisa

Pass

Mycotoxin	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Aflatoxins	4.0	20.0	<LOQ	Pass
Ochratoxin A	2.0	20.0	<LOQ	Pass



Notes: Solution was ran by an ISO 17025:2017 accredited laboratory for heavy metals.



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### Heavy Metals

Analyzed by 300.8 ICP/MS

Pass

Element	LOQ	Limit	Mass	Status
	PPB	PPB	PPB	
Arsenic	124	2000	<LOQ	Pass
Cadmium	124	820	<LOQ	Pass
Lead	124	1200	<LOQ	Pass
Mercury	124	400	<LOQ	Pass



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