



# Certificate of Analysis

Powered by Confident Cannabis

Dr. Kerklaan Therapeutics

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

Sample: 1907DBL0233.6701

METRC Sample:  
 Batch #: Oil Batch MD13-F2-7-ND-D

Strain: NA

Ordered: 07/19/2019; Sampled: 07/19/2019; Completed: 07/25/2019

## Natural CBD Sleep Cream 120mg 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

122.857  
 mg/unit

Δ9-THC + Δ8-THC

CBD

122.857  
 mg/unit

NT

Total Cannabinoids

Moisture

1 Unit = Natural CBD Sleep Cream 120mg CBD, 59g

### Cannabinoid Profile

Analyzed by 300.18 UHPLC/PDA

Cannabinoid	Mass mg/unit	Mass mg/g	LOQ mg/unit
CBC	<LOQ	<LOQ	3.573
CBCa	<LOQ	<LOQ	3.573
CBD	122.857	2.082	3.573
CBDa	<LOQ	<LOQ	3.573
CBDV	<LOQ	<LOQ	3.573
CBDVa	<LOQ	<LOQ	3.573
CBG	<LOQ	<LOQ	3.573
CBGa	<LOQ	<LOQ	3.573
CBL	<LOQ	<LOQ	3.573
CBN	<LOQ	<LOQ	3.573
Δ8-THC	<LOQ	<LOQ	3.573
Δ9-THC	<LOQ	<LOQ	3.573
THCa	<LOQ	<LOQ	3.573
THCV	<LOQ	<LOQ	3.573
THCVa	<LOQ	<LOQ	3.573
Total THC	ND	ND	
Total CBD	122.857	2.082	
Total	122.857	2.082	

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



*Stacy Gardalen*

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 Quality Control

*Kelly Zaugg*

Kelly Zaugg  
 Quality Control



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## Natural CBD Sleep Cream 120mg CBD

Topical, Salve



### Terpenes

Analyzed by 300.13 GC/FID and GC/MS

Compound	LOQ	Mass	Mass	Relative Concentration
	mg/unit	mg/unit	mg/g	
Terpinolene	5.179	85.749	1.453	
δ-Limonene	5.179	55.719	0.944	
Linalool	5.179	16.540	0.280	
trans-Nerolidol	1.813	3.447	0.058	
α-Bisabolol	5.179	<LOQ	<LOQ	
α-Humulene	5.179	<LOQ	<LOQ	
α-Pinene	5.179	<LOQ	<LOQ	
α-Terpinene	5.179	<LOQ	<LOQ	
β-Caryophyllene	5.179	<LOQ	<LOQ	
β-Myrcene	5.179	<LOQ	<LOQ	
β-Pinene	5.179	<LOQ	<LOQ	
Camphene	5.179	<LOQ	<LOQ	
Caryophyllene Oxide	5.179	<LOQ	<LOQ	
cis-Nerolidol	3.366	<LOQ	<LOQ	
cis-Ocimene	3.366	<LOQ	<LOQ	
δ-3-Carene	5.179	<LOQ	<LOQ	
Eucalyptol	5.179	<LOQ	<LOQ	
γ-Terpinene	5.179	<LOQ	<LOQ	
Guaiol	5.179	<LOQ	<LOQ	
Isopulegol	5.179	<LOQ	<LOQ	
p-Cymene	5.179	<LOQ	<LOQ	
trans-Ocimene	1.813	<LOQ	<LOQ	

161.454 mg/unit  
 Total Terpenes



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



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## Natural CBD Sleep Cream 120mg 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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## Natural CBD Sleep Cream 120mg CBD

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



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## Natural CBD Sleep Cream 120mg CBD

Topical, Salve



Residual Solvents					Pass
Analyzed by 300.13 GC/FID and GC/MS					
Compound	LOQ	Limit	Mass	Status	
	PPM	PPM	PPM		
Butanes	56	500	<LOQ	Pass	
Heptane	56	500	<LOQ	Pass	
Propane	56	500	<LOQ	Pass	



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## Natural CBD Sleep Cream 120mg CBD

Topical, Salve



Mycotoxins					Pass
Analyzed by 300.2 Elisa					
Mycotoxin	LOQ	Limit	Mass	Status	
	PPB	PPB	PPB		
Aflatoxins	4.0	20.0	<LOQ	Pass	
Ochratoxin A	2.0	20.0	<LOQ	Pass	

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Strain: NA

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## Natural CBD Sleep Cream 120mg CBD

Topical, Salve



Heavy Metals					Pass
Analyzed by 300.8 ICP/MS					
Element	LOQ	Limit	Mass	Status	
	PPB	PPB	PPB		
Arsenic	121	2000	<LOQ	Pass	
Cadmium	121	820	<LOQ	Pass	
Lead	121	1200	<LOQ	Pass	
Mercury	121	400	<LOQ	Pass	



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