



# Certificate of Analysis

Dr. Kerklaan Therapeutics

300 Valley St. #2101  
Sausalito, CA 94965  
Lawrence Hudson

Sample

1809DBL0180.5162

Batch NA

Lot NA

Ordered 9/28/18

Completed 10/4/18

## Dr. Kerklaan Natural Skin Cream

### Cannabinoids

|                     | 120.9 | 0.205       | 59                      |
|---------------------|-------|-------------|-------------------------|
| Total CBD (mg/unit) |       | % Total CBD | Unit weight (g)         |
| Cannabinoid         | LOQ   | Mass %      | Mass Concentration mg/g |
| CBD                 | 0.01  | 0.20        | 2.05                    |
| CBDA                | 0.01  | <LOQ        | <LOQ                    |
| d9-THC              | 0.01  | <LOQ        | <LOQ                    |
| THCA-A              | 0.01  | <LOQ        | <LOQ                    |
| d8-THC              | 0.01  | <LOQ        | <LOQ                    |
| THCV                | 0.01  | <LOQ        | <LOQ                    |
| CBDV                | 0.01  | <LOQ        | <LOQ                    |
| CBDVA               | 0.01  | <LOQ        | <LOQ                    |
| CBGA                | 0.01  | <LOQ        | <LOQ                    |
| CBG                 | 0.01  | <LOQ        | <LOQ                    |
| CBN                 | 0.01  | <LOQ        | <LOQ                    |
| CBC                 | 0.01  | <LOQ        | <LOQ                    |
| CBL                 | 0.01  | <LOQ        | <LOQ                    |

### Pesticides/Plant Growth Regulators

| Pesticides              | Status | Sample (PPB) | LOQ (PPB) |
|-------------------------|--------|--------------|-----------|
| Acequinocyl             | PASS   | <LOQ         | 10        |
| Abamectin               | PASS   | <LOQ         | 10        |
| Bifenazate              | PASS   | <LOQ         | 10        |
| Bifenthrin              | PASS   | <LOQ         | 10        |
| Cyfluthrin              | PASS   | <LOQ         | 10        |
| Cypermethrin            | PASS   | <LOQ         | 10        |
| Daminozide              | PASS   | <LOQ         | 10        |
| Dimethomorph            | PASS   | <LOQ         | 10        |
| Etoxazole               | PASS   | <LOQ         | 10        |
| Fenhexamid              | PASS   | <LOQ         | 10        |
| Flonicamid              | PASS   | <LOQ         | 10        |
| Imidacloprid            | PASS   | <LOQ         | 10        |
| Myclobutanil            | PASS   | <LOQ         | 10        |
| Paclobutrazol           | PASS   | <LOQ         | 10        |
| Piperonyl Butoxide      | PASS   | <LOQ         | 10        |
| Pyrethrins              | PASS   | <LOQ         | 10        |
| Quintozene              | PASS   | <LOQ         | 10        |
| Spinetoram              | PASS   | <LOQ         | 10        |
| Spinosad                | PASS   | <LOQ         | 10        |
| Spirotetramat           | PASS   | <LOQ         | 10        |
| Thiamethoxam            | PASS   | <LOQ         | 10        |
| Trifloxystrobin         | PASS   | <LOQ         | 10        |
| Plant Growth Regulators | PASS   | <LOQ         | 10        |

### Microbiology

| Quantitative Analysis | Status                   | Sample | LOQ          | Limit   |
|-----------------------|--------------------------|--------|--------------|---------|
| Mold/Mildew/Yeast     | Pass/Fail                | CFU/g  | CFU/g        | CFU/g   |
| Enterobacteriaceae    | PASS                     | <LOQ   | 8            | 10,000  |
| Aerobic Bacteria      | PASS                     | <LOQ   | 8            | 100,000 |
| Coliforms             | PASS                     | <LOQ   | 8            | 1,000   |
| Qualitative Analysis  | Detected or Not-detected |        |              |         |
| E. Coli               | PASS                     |        | Not-detected |         |
| Salmonella            | PASS                     |        | Not-detected |         |
| Foreign Matter        | PASS                     |        | Not-detected |         |

### Heavy Metals

| Compound | Status    | Sample | LOQ | Limit |
|----------|-----------|--------|-----|-------|
|          | Pass/Fail | PPB    | PPB | PPB   |
| Arsenic  | PASS      | 62     | 46  | 2000  |
| Cadmium  | PASS      | <LOQ   | 46  | 820   |
| Mercury  | PASS      | <LOQ   | 46  | 400   |
| Lead     | PASS      | <LOQ   | 46  | 1200  |

Dr. Kerklaan  
THERAPEUTICS



*Stacy Gardalen*

Stacy Gardalen  
Director

*Glen Marquez*

Glen Marquez  
Quality Control



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The reported result is based on a sample weight with the applicable moisture content for that sample. LOQ = Limit of Quantitation. NA = Not Analyzed. ND = Not Detected, PGR = Plant Growth Regulator. Unless otherwise stated all quality control samples performed within specifications established by the Laboratory. This product has been tested by DB Labs, LLC (MME# 61887736101164525768) using valid testing methodologies and a quality system as required by Nevada state law. Values reported relate only to the product tested. DB Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of DB Labs.



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### Residual Solvents

| Compound           | Status | Limit (PPM) |
|--------------------|--------|-------------|
| Propane            | PASS   | 500         |
| Methanol           | PASS   | 500         |
| Isobutane          | PASS   | 500         |
| Ethanol            | PASS   | 500         |
| Isopropanol        | PASS   | 500         |
| Isopentane         | PASS   | 500         |
| n-Butane           | PASS   | 500         |
| n-Hexane           | PASS   | 500         |
| 2,2-Dimethylbutane | PASS   | 500         |
| 3-Methylpentane    | PASS   | 500         |
| 2-Methylpentane    | PASS   | 500         |
| Cyclohexane        | PASS   | 500         |
| Neopentane         | PASS   | 500         |
| n-Heptane          | PASS   | 500         |
| n-Pentane          | PASS   | 500         |
| Benzene            | PASS   | 500         |

### Terpenes

| Terpenes            | LOQ   | Mass | Mass |
|---------------------|-------|------|------|
|                     | %     | %    | mg/g |
| a-Pinene            | 0.128 | <LOQ | <LOQ |
| Camphene            | 0.128 | <LOQ | <LOQ |
| beta-Myrcene        | 0.128 | <LOQ | <LOQ |
| beta-Pinene         | 0.128 | <LOQ | <LOQ |
| d3-Carene           | 0.128 | <LOQ | <LOQ |
| alpha-Terpinene     | 0.128 | <LOQ | <LOQ |
| trans-Ocimene       | 0.045 | <LOQ | <LOQ |
| D-Limonene          | 0.128 | <LOQ | <LOQ |
| para-Cymene         | 0.128 | <LOQ | <LOQ |
| cis-Ocimene         | 0.083 | <LOQ | <LOQ |
| Eucalyptol          | 0.128 | <LOQ | <LOQ |
| gamma-Terpinene     | 0.128 | <LOQ | <LOQ |
| Terpinolene         | 0.128 | <LOQ | <LOQ |
| Linalool            | 0.128 | <LOQ | <LOQ |
| Isopulegol          | 0.128 | <LOQ | <LOQ |
| Caryophyllene       | 0.128 | <LOQ | <LOQ |
| Humulene            | 0.128 | <LOQ | <LOQ |
| trans-Nerolidol     | 0.045 | <LOQ | <LOQ |
| cis-Nerolidol       | 0.083 | <LOQ | <LOQ |
| Guaiol              | 0.128 | <LOQ | <LOQ |
| Caryophyllene Oxide | 0.128 | <LOQ | <LOQ |
| a-Bisabolol         | 0.128 | <LOQ | <LOQ |

Stacy Gardalen  
Director

Glen Marquez  
Quality Control

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