



### Finished Product Testing Report

**Lot No.:** 200604W24MS0

**Product Name:** WSM Muscle Salve

**Manufacture Date:** 06-04-2020

**Expiration Date:** 06-04-2022

**Units Manufactured:** 1,041

**Lot Size:** 1,041

**Biomass COA ID:** DSL061300-02

**Distillate/Isolate COA ID:** DSL08191900-02

**Finished Product COA ID:** 200604W24MS0

#### Finished Product Ingredients:

|                   |                     |                     |                                      |
|-------------------|---------------------|---------------------|--------------------------------------|
| Grapeseed Oil     | Yellow Beeswax      | Organic Coconut Oil | Full Spectrum Hemp Extract Oil (CBD) |
| Peppermint Oil    | Eucalyptus Leaf Oil | Rosemary Leaf Oil   | Sweet Basil Oil                      |
| Spearmint Oil     | Lavender Flower Oil | Ginger Root Oil     | Ravensara Oil                        |
| Cinnamon Leaf Oil | Lemongrass Oil      | Helichrysum Oil     | Roman Chamomile Flower Oil           |

**Quality Assurance Status:** Pass

**Approved By:** B. Estes

**Date Approved:** 08-27-2020

# Muscle Salve

Sample ID: 2008KCA0233.0606

Cultivar: N/A

Matrix: Topical

Type: Salve

Sample Size:

Received: 08/20/2020

Completed: 08/26/2020

Batch#: 200604W24MS0

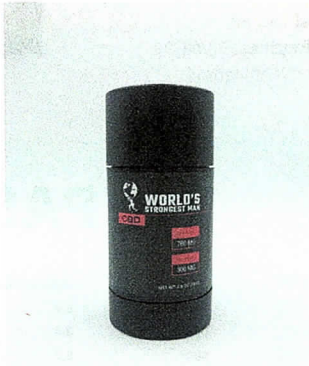
Client

**Korelife LLC**

Lic.# P-0409

8054 Production Drive, Suite K

Florence, KY 41042



## Summary

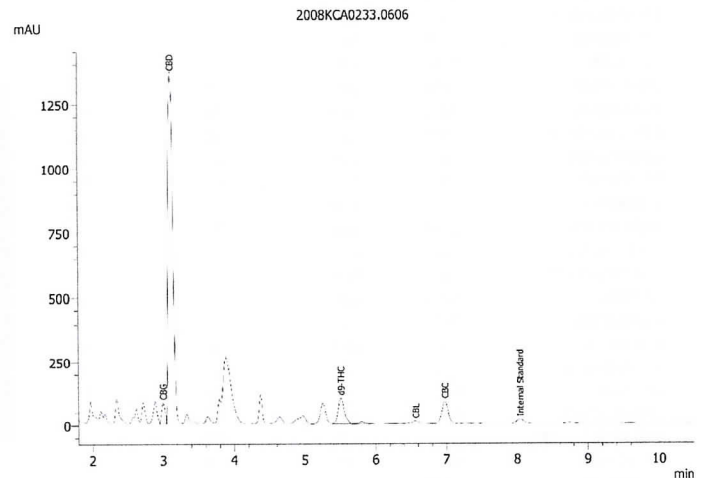
| Test              | Date Tested | Result   |
|-------------------|-------------|----------|
| Cannabinoids      | 08/25/2020  | Complete |
| Residual Solvents | 08/24/2020  | Passed   |
| Microbials        | 08/24/2020  | Passed   |
| Mycotoxins        | 08/26/2020  | Passed   |
| Pesticides        | 08/26/2020  | Passed   |
| Heavy Metals      | 08/24/2020  | Passed   |

## Cannabinoids by HPLC-PDA

Complete

|                     |                      |                      |                  |                |
|---------------------|----------------------|----------------------|------------------|----------------|
| 15.40862 mg/serving | 498.23061 mg/serving | 533.16673 mg/serving | NT<br>Not Tested | Not Tested     |
| Total THC           | Total CBD            | Total Cannabinoids   | Moisture Content | Foreign Matter |

| Analyte          | LOD<br>mg/serving | LOQ<br>mg/serving | Result<br>mg/serving | Result<br>mg/container |
|------------------|-------------------|-------------------|----------------------|------------------------|
| CBC              | 2.66731           | 7.97385           | 12.16292             | 31.62360               |
| CBCA             | 5.08192           | 15.24577          | ND                   | ND                     |
| CBCV             | 1.68462           | 5.05385           | ND                   | ND                     |
| CBD              | 2.27423           | 6.79462           | 498.23061            | 1295.39960             |
| CBDA             | 1.20731           | 3.65000           | ND                   | ND                     |
| CBDV             | 1.71269           | 5.11000           | ND                   | ND                     |
| CBDVA            | 0.58962           | 1.76885           | ND                   | ND                     |
| CBG              | 1.60038           | 4.82923           | 7.36458              | 19.14790               |
| CBGA             | 1.37577           | 4.12731           | ND                   | ND                     |
| CBL              | 3.14462           | 9.40577           | ND                   | ND                     |
| CBLA             | 3.48154           | 10.41654          | ND                   | ND                     |
| CBN              | 1.57231           | 4.74500           | ND                   | ND                     |
| CBNA             | 1.68462           | 5.08192           | ND                   | ND                     |
| Δ8-THC           | 2.92000           | 8.76000           | ND                   | ND                     |
| Δ9-THC           | 2.13385           | 6.37346           | 15.40862             | 40.06240               |
| THCA             | 2.35846           | 7.04731           | ND                   | ND                     |
| THCV             | 1.93731           | 5.78385           | ND                   | ND                     |
| THCVA            | 1.74077           | 5.22231           | ND                   | ND                     |
| <b>Total THC</b> |                   |                   | <b>15.40862</b>      | <b>40.06240</b>        |
| <b>Total CBD</b> |                   |                   | <b>498.23061</b>     | <b>1295.39960</b>      |
| <b>Total</b>     |                   |                   | <b>533.16673</b>     | <b>1386.23350</b>      |



Total THC = THCA \* 0.877 + Δ9-THC

Total CBD = CBDA \* 0.877 + CBD

LOD = Limit of Detection

LOQ = Limit of Quantitation

ND = None Detected

For plant material, the reported result is based on a sample weight with the applicable moisture content for that sample.



*Wes Rogers*

Wes Rogers  
Principal Scientist  
08/26/2020

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Cultivar: N/A

Matrix: Topical

Type: Salve

Sample Size:

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Completed: 08/26/2020

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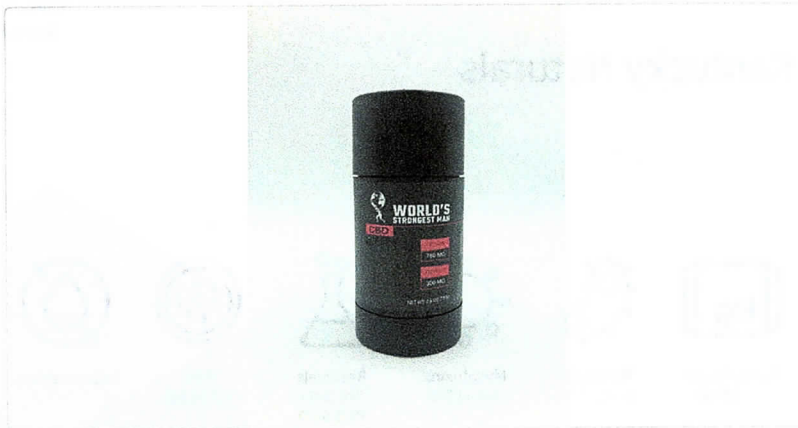
Client

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Florence, KY 41042



### Heavy Metals by ICP-MS

Passed

| Analyte | LOD   | LOQ  | Mass |
|---------|-------|------|------|
|         | µg/g  | µg/g | µg/g |
| Arsenic | 0.002 | 0.02 | ND   |
| Cadmium | 0.001 | 0.02 | ND   |
| Lead    | 0.002 | 0.02 | ND   |
| Mercury | 0.012 | 0.05 | ND   |

Date Tested: 08/24/2020  
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### Pesticides by LCMS/MS & GCMS/MS

Passed

| Analyte             | LOD   | LOQ   | Mass   | Analyte                 | LOD   | LOQ   | Mass    |
|---------------------|-------|-------|--------|-------------------------|-------|-------|---------|
|                     | PPM   | PPM   | PPM    |                         | PPM   | PPM   | PPM     |
| Abamectin           | 0.001 | 0.005 | ND     | Fludioxonil             | 0.001 | 0.005 | ND      |
| Acephate            | 0.001 | 0.005 | ND     | Imazalil                | 0.001 | 0.005 | ND      |
| Acetamiprid         | 0.001 | 0.005 | ND     | Imidacloprid            | 0.001 | 0.005 | ND      |
| Aldicarb            | 0.001 | 0.005 | ND     | Kresoxim Methyl         | 0.001 | 0.005 | ND      |
| Azoxystrobin        | 0.001 | 0.005 | ND     | Malathion               | 0.001 | 0.005 | ND      |
| Bifenazate          | 0.001 | 0.005 | ND     | Metalaxyl               | 0.001 | 0.005 | ND      |
| Boscalid            | 0.001 | 0.005 | 23.058 | Methiocarb              | 0.001 | 0.005 | ND      |
| Carbaryl            | 0.001 | 0.005 | ND     | Methomyl                | 0.001 | 0.005 | ND      |
| Carbofuran          | 0.001 | 0.005 | ND     | Mevinphos               | 0.001 | 0.005 | ND      |
| Chlorantraniliprole | 0.001 | 0.005 | ND     | Myclobutanil            | 0.001 | 0.005 | ND      |
| Chlordane           | 0.001 | 0.005 | ND     | Oxamyl                  | 0.001 | 0.005 | ND      |
| Chlorfenapyr        | 0.001 | 0.005 | ND     | Paclbutrazol            | 0.001 | 0.005 | ND      |
| Clofentezine        | 0.001 | 0.005 | ND     | Parathion Methyl        | 0.001 | 0.005 | ND      |
| Coumaphos           | 0.001 | 0.005 | 79.315 | Pentachloronitrobenzene | 0.001 | 0.005 | ND      |
| Daminozide          | 0.001 | 0.005 | ND     | Phosmet                 | 0.001 | 0.005 | ND      |
| Diazinon            | 0.001 | 0.005 | ND     | Piperonyl Butoxide      | 0.001 | 0.005 | 362.049 |
| Dichlorvos          | 0.001 | 0.005 | ND     | Propiconazole           | 0.001 | 0.005 | ND      |
| Dimethoate          | 0.001 | 0.005 | ND     | Propoxur                | 0.001 | 0.005 | ND      |
| Dimethomorph        | 0.001 | 0.005 | ND     | Pyridaben               | 0.001 | 0.005 | ND      |
| Ethoprophos         | 0.001 | 0.005 | ND     | Spinosad                | 0.001 | 0.005 | ND      |
| Etofenprox          | 0.001 | 0.005 | ND     | Spirotetramat           | 0.001 | 0.005 | ND      |
| Fenhexamid          | 0.001 | 0.005 | ND     | Spiroxamine             | 0.001 | 0.005 | ND      |
| Fenoxycarb          | 0.001 | 0.005 | ND     | Tebuconazole            | 0.001 | 0.005 | ND      |
| Fenpyroximate       | 0.001 | 0.005 | ND     | Thiacloprid             | 0.001 | 0.005 | ND      |
| Fipronil            | 0.001 | 0.005 | ND     | Thiamethoxam            | 0.001 | 0.005 | ND      |
| Flonicamid          | 0.001 | 0.005 | ND     | Trifloxystrobin         | 0.001 | 0.005 | 13.513  |

Date Tested: 08/24/2020  
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### Microbials by qPCR

Passed

#### Analyte

#### Result

Aerobic Bacteria  
Shiga toxin-producing E. Coli  
Enterobacteriaceae  
Salmonella

CFU/g  
Not Detected in 1g  
Not Detected in 1g  
Not Detected in 1g  
Not Detected in 1g

Date Tested: 08/24/2020

TNTC = Too Numerous to Count; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.



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## Mycotoxins by LCMS/MS

Passed

| Analyte      | LOD | LOQ | Units |
|--------------|-----|-----|-------|
|              | PPB | PPB | PPB   |
| B1           | 1   | 5   | ND    |
| B2           | 1   | 5   | ND    |
| G1           | 1   | 5   | ND    |
| G2           | 1   | 5   | ND    |
| Ochratoxin A | 1   | 5   | ND    |

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## Residual Solvents by HS-GC/MS

Passed

| Analyte              | LOD<br>PPM | LOQ<br>PPM | Mass<br>PPM | Analyte                | LOD<br>PPM | LOQ<br>PPM | Mass<br>PPM |
|----------------------|------------|------------|-------------|------------------------|------------|------------|-------------|
| Acetone              | 0.5        | 1          | 4.015       | Heptane                | 0.5        | 1          | ND          |
| Acetonitrile         | 0.5        | 1          | ND          | Isobutane              | 0.5        | 1          | ND          |
| Benzene              | 0.5        | 1          | ND          | Isopropanol            | 0.5        | 1          | 1.157       |
| Butane               | 0.5        | 1          | 3.068       | Isopropyl-Acetate      | 0.5        | 1          | ND          |
| 1-Butanol            | 0.5        | 1          | ND          | Methanol               | 0.5        | 1          | ND          |
| 2-Butanol            | 0.5        | 1          | ND          | 2-Methyl-Butane        | 0.5        | 1          | ND          |
| 2-Butanone           | 0.5        | 1          | ND          | 2-Methyl-Pentane       | 0.5        | 1          | ND          |
| Chloroform           | 0.5        | 1          | ND          | 3-Methyl-Pentane       | 0.5        | 1          | ND          |
| Cumene               | 0.5        | 1          | ND          | Methylene-Chloride     | 0.5        | 1          | ND          |
| Cyclohexane          | 0.5        | 1          | ND          | N,N-Dimethyl-Acetamide | 0.5        | 1          | ND          |
| 1,2-Dichloro-Ethane  | 0.5        | 1          | ND          | N,N-Dimethyl-Formamide | 0.5        | 1          | ND          |
| 1,2-Dimethoxy-Ethane | 0.5        | 1          | ND          | Neopentane             | 0.5        | 1          | ND          |
| 2,2-Dimethyl-Butane  | 0.5        | 1          | ND          | 1-Pentanol             | 0.5        | 1          | 1.009       |
| 2,3-Dimethyl-Butane  | 0.5        | 1          | ND          | Propane                | 0.5        | 1          | 34.416      |
| Dimethyl sulfoxide   | 0.5        | 1          | ND          | 1-Propanol             | 0.5        | 1          | ND          |
| 1,4-Dioxane          | 0.5        | 1          | ND          | Pyridine               | 0.5        | 1          | ND          |
| Ethanol              | 0.5        | 1          | 2.342       | Sulfolane              | 0.5        | 1          | ND          |
| 2-Ethoxy-Ethanol     | 0.5        | 1          | ND          | Tetrahydrofuran        | 0.5        | 1          | ND          |
| Ethyl-Acetate        | 0.5        | 1          | ND          | Toluene                | 0.5        | 1          | 2.203       |
| Ethyl-Benzene        | 0.5        | 1          | ND          | Trichloroethene        | 0.5        | 1          | ND          |
| Ethyl-Ether          | 0.5        | 1          | ND          | Xylenes                | 0.5        | 1          | ND          |
| Ethylene glycol      | 0.5        | 1          | ND          | n-Hexane               | 0.5        | 1          | ND          |
| Ethylene oxide       | 0.5        | 1          | ND          | n-Pentane              | 0.5        | 1          | 9.685       |

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