



12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794



**Report Number:** 22-004721/D033.R001  
**Report Date:** 06/23/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 04/26/22 15:19

This is an amended version of report# 22-004721/D033.R000.  
Reason: Combine results with report 22-007159/D031.R000.

**Customer:** R&R  
**Product identity:** R&R Organic Broad Spectrum 1000mg Tincture - Fresh Mint  
**Client/Metric ID:** Lot 7001B  
**Laboratory ID:** 22-004721-0005

### Summary

**Potency:**

| Analyte per 1ml  | Result | Limits | Units   | Status |                                      |
|------------------|--------|--------|---------|--------|--------------------------------------|
| CBC per 1ml†     | 1.09   |        | mg/1ml  |        | CBD-Total per 1ml 33.6 mg/1ml        |
| CBD per 1ml      | 33.2   |        | mg/1ml  |        |                                      |
| CBD-A per 1ml    | 0.461  |        | mg/1ml  |        | THC-Total per 1ml <LOQ               |
| CBDV per 1ml†    | 0.146  |        | mg/1ml  |        |                                      |
| CBE per 1ml†     | 0.973  |        | mg/1ml  |        | CBD-Total per 30ml 1010 mg/30ml      |
| CBG per 1ml†     | 0.657  |        | mg/1ml  |        |                                      |
| CBN per 1ml      | 0.765  |        | mg/1ml  |        | THC-Total per 30ml <LOQ              |
| CBT per 1ml†     | 0.568  |        | mg/1ml  |        |                                      |
| Analyte per 30ml | Result | Limits | Units   | Status | (Reported in milligrams per serving) |
| CBC per 30ml†    | 32.6   |        | mg/30ml |        |                                      |
| CBD per 30ml     | 995    |        | mg/30ml |        |                                      |
| CBD-A per 30ml   | 13.8   |        | mg/30ml |        |                                      |
| CBDV per 30ml†   | 4.37   |        | mg/30ml |        |                                      |
| CBE per 30ml†    | 29.2   |        | mg/30ml |        |                                      |
| CBG per 30ml†    | 19.7   |        | mg/30ml |        |                                      |
| CBN per 30ml     | 23.0   |        | mg/30ml |        |                                      |
| CBT per 30ml†    | 17.0   |        | mg/30ml |        |                                      |

**Residual Solvents:**

All analytes passing and less than LOQ.

**Pesticides:**

All analytes passing and less than LOQ.

**Metals:**

Less than LOQ for all analytes.

**Microbiology:**

Less than LOQ for all analytes.



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**Purchase Order:**  
**Received:** 06/17/22 12:05

**Customer:** R&R  
**Product identity:** R&R Organic Broad Spectrum 1000mg Tincture - Fresh Mint  
**Client/Metric ID:** Lot 7001B  
**Laboratory ID:** 22-007159-0005

### Summary

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**Terpenes:**

| Analyte              | Percent<br>by weight | Percent<br>of Total | Analyte                           | Percent<br>by weight | Percent<br>of Total |
|----------------------|----------------------|---------------------|-----------------------------------|----------------------|---------------------|
| Menthol <sup>†</sup> | 0.0505               | 100.00%             | <b>Total Terpenes<sup>†</sup></b> | <b>0.0505</b>        | <b>100.00%</b>      |

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**Received:** 04/26/22 15:19

**Customer:** R&R  
United States of America (USA)  
**Product identity:** R&R Organic Broad Spectrum 1000mg Tincture - Fresh Mint  
**Client/Metric ID:** Lot 7001B  
**Sample Date:**  
**Laboratory ID:** 22-004721-0005  
**Evidence of Cooling:** No  
**Temp:** 18.8 °C  
**Relinquished by:** USPS  
**Serving Size #1:** 0.945 g  
**Serving Size #2:** 28.35 g  
**Density:** 0.9450 g/ml



### Sample Results

| Potency per 1ml                 |        |        |        |        |       | Method J AOAC 2015 V98-6 (mod)Units mg/se |  | Batch: 2203744 |  | Analyze: 5/2/22 1:04:00 PM |  |
|---------------------------------|--------|--------|--------|--------|-------|---|--|----------------|--|----------------------------|--|
| Analyte                         | Result | Limits | Units  | LOQ    | Notes |   |  |                |  |                            |  |
| CBC per 1ml <sup>†</sup>        | 1.09   |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| CBC-A per 1ml <sup>†</sup>      | < LOQ  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| CBC-Total per 1ml <sup>†</sup>  | 1.09   |        | mg/1ml | 0.0570 |       |   |  |                |  |                            |  |
| CBD per 1ml                     | 33.2   |        | mg/1ml | 0.304  |       |   |  |                |  |                            |  |
| CBD-A per 1ml                   | 0.461  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| CBD-Total per 1ml               | 33.6   |        | mg/1ml | 0.331  |       |   |  |                |  |                            |  |
| CBDV per 1ml <sup>†</sup>       | 0.146  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| CBDV-A per 1ml <sup>†</sup>     | < LOQ  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| CBDV-Total per 1ml <sup>†</sup> | 0.146  |        | mg/1ml | 0.0567 |       |   |  |                |  |                            |  |
| CBE per 1ml <sup>†</sup>        | 0.973  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| CBG per 1ml <sup>†</sup>        | 0.657  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| CBG-A per 1ml <sup>†</sup>      | < LOQ  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| CBG-Total per 1ml <sup>†</sup>  | 0.657  |        | mg/1ml | 0.0567 |       |   |  |                |  |                            |  |
| CBL per 1ml <sup>†</sup>        | < LOQ  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| CBL-A per 1ml <sup>†</sup>      | < LOQ  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| CBL-Total per 1ml <sup>†</sup>  | < LOQ  |        | mg/1ml | 0.0570 |       |   |  |                |  |                            |  |
| CBN per 1ml                     | 0.765  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| CBT per 1ml <sup>†</sup>        | 0.568  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| Δ8-THCV per 1ml <sup>†</sup>    | < LOQ  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| Δ8-THC per 1ml <sup>†</sup>     | < LOQ  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| Δ9-THC per 1ml                  | < LOQ  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| exo-THC per 1ml <sup>†</sup>    | < LOQ  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| THC-A per 1ml                   | < LOQ  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| THC-Total per 1ml               | < LOQ  |        | mg/1ml | 0.0570 |       |   |  |                |  |                            |  |
| THCV per 1ml <sup>†</sup>       | < LOQ  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| THCV-A per 1ml <sup>†</sup>     | < LOQ  |        | mg/1ml | 0.0304 |       |   |  |                |  |                            |  |
| THCV-Total per 1ml <sup>†</sup> | < LOQ  |        | mg/1ml | 0.0571 |       |   |  |                |  |                            |  |



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Potency per 30ml **Method J AOAC 2015 V98-6 (mod)Units mg/se Batch: 2203744 Analyze: 5/2/22 1:04:00 PM**

| Analyte                          | Result | Limits | Units   | LOQ   | Notes |
|----------------------------------|--------|--------|---------|-------|-------|
| CBC per 30ml <sup>†</sup>        | 32.6   |        | mg/30ml | 0.912 |       |
| CBC-A per 30ml <sup>†</sup>      | < LOQ  |        | mg/30ml | 0.912 |       |
| CBC-Total per 30ml <sup>†</sup>  | 32.6   |        | mg/30ml | 1.71  |       |
| CBD per 30ml                     | 995    |        | mg/30ml | 9.12  |       |
| CBD-A per 30ml                   | 13.8   |        | mg/30ml | 0.912 |       |
| CBD-Total per 30ml               | 1010   |        | mg/30ml | 9.92  |       |
| CBDV per 30ml <sup>†</sup>       | 4.37   |        | mg/30ml | 0.912 |       |
| CBDV-A per 30ml <sup>†</sup>     | < LOQ  |        | mg/30ml | 0.912 |       |
| CBDV-Total per 30ml <sup>†</sup> | 4.37   |        | mg/30ml | 1.70  |       |
| CBE per 30ml <sup>†</sup>        | 29.2   |        | mg/30ml | 0.912 |       |
| CBG per 30ml <sup>†</sup>        | 19.7   |        | mg/30ml | 0.912 |       |
| CBG-A per 30ml <sup>†</sup>      | < LOQ  |        | mg/30ml | 0.912 |       |
| CBG-Total per 30ml <sup>†</sup>  | 19.7   |        | mg/30ml | 1.70  |       |
| CBL per 30ml <sup>†</sup>        | < LOQ  |        | mg/30ml | 0.912 |       |
| CBL-A per 30ml <sup>†</sup>      | < LOQ  |        | mg/30ml | 0.912 |       |
| CBL-Total per 30ml <sup>†</sup>  | < LOQ  |        | mg/30ml | 1.71  |       |
| CBN per 30ml                     | 23.0   |        | mg/30ml | 0.912 |       |
| CBT per 30ml <sup>†</sup>        | 17.0   |        | mg/30ml | 0.912 |       |
| Δ8-THCV per 30ml <sup>†</sup>    | < LOQ  |        | mg/30ml | 0.912 |       |
| Δ8-THC per 30ml <sup>†</sup>     | < LOQ  |        | mg/30ml | 0.912 |       |
| Δ9-THC per 30ml                  | < LOQ  |        | mg/30ml | 0.912 |       |
| exo-THC per 30ml <sup>†</sup>    | < LOQ  |        | mg/30ml | 0.912 |       |
| THC-A per 30ml                   | < LOQ  |        | mg/30ml | 0.912 |       |
| THC-Total per 30ml               | < LOQ  |        | mg/30ml | 1.71  |       |
| THCV per 30ml <sup>†</sup>       | < LOQ  |        | mg/30ml | 0.912 |       |
| THCV-A per 30ml <sup>†</sup>     | < LOQ  |        | mg/30ml | 0.912 |       |
| THCV-Total per 30ml <sup>†</sup> | < LOQ  |        | mg/30ml | 1.71  |       |

**Microbiology**

| Analyte                 | Result   | Limits    | Units | LOQ | Batch   | Analyze  | Method                  | Status | Notes |
|-------------------------|----------|-----------|-------|-----|---------|----------|-------------------------|--------|-------|
| Aerobic Plate Count     | < LOQ    | 10,000.00 | cfu/g | 10  | 2203844 | 05/07/22 | AOAC 990.12 (Petrifilm) | pass   | X     |
| E.coli                  | < LOQ    | 100.00    | cfu/g | 10  | 2203842 | 05/07/22 | AOAC 991.14 (Petrifilm) | pass   | X     |
| Total Coliforms         | < LOQ    | 100.00    | cfu/g | 10  | 2203842 | 05/07/22 | AOAC 991.14 (Petrifilm) | pass   | X     |
| Mold (RAPID Petrifilm)  | < LOQ    | 1,000.00  | cfu/g | 10  | 2203843 | 05/08/22 | AOAC 2014.05 (RAPID)    | pass   | X     |
| Yeast (RAPID Petrifilm) | < LOQ    | 1,000.00  | cfu/g | 10  | 2203843 | 05/08/22 | AOAC 2014.05 (RAPID)    | pass   | X     |
| Salmonella spp. by PCR  | Negative |           | /25g  |     | 2203848 | 05/06/22 | AOAC 2020.02            |        | X     |
| EHEC including STEC     | Negative |           | /25g  |     | 2203851 | 05/06/22 | AOAC RI 121806          |        | X     |



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| Solvents                          |        |        |      |        |       | Residual Solvents by GC/MS |        |        |      |        | Units | µg/g | Batch | 2204080 | Analyze | 05/12/22 | 12:27 PM |  |
|-----------------------------------|--------|--------|------|--------|-------|----------------------------|--------|--------|------|--------|-------|------|-------|---------|---------|----------|----------|--|
| Analyte                           | Result | Limits | LOQ  | Status | Notes | Analyte                    | Result | Limits | LOQ  | Status | Notes |      |       |         |         |          |          |  |
| 2-Methylbutane (Isopentane)       | < LOQ  | 1000   | 200  | pass   |       | 2-Methylpentane            | < LOQ  | 60.0   | 30.0 | pass   |       |      |       |         |         |          |          |  |
| 2-Propanol (IPA)                  | < LOQ  | 1000   | 200  | pass   |       | 2,2-Dimethylbutane         | < LOQ  | 60.0   | 30.0 | pass   |       |      |       |         |         |          |          |  |
| 2,2-Dimethylpropane (neo-pentane) | < LOQ  | 1000   | 200  | pass   |       | 2,3-Dimethylbutane         | < LOQ  | 60.0   | 30.0 | pass   |       |      |       |         |         |          |          |  |
| 3-Methylpentane                   | < LOQ  | 60.0   | 30.0 | pass   |       | Acetone                    | < LOQ  | 1000   | 200  | pass   |       |      |       |         |         |          |          |  |
| Benzene                           | < LOQ  | 2.00   | 1.00 | pass   |       | Butanes (sum)              | < LOQ  | 1000   | 400  | pass   |       |      |       |         |         |          |          |  |
| Ethanol <sup>1</sup>              | < LOQ  | 1000   | 200  | pass   |       | Ethyl acetate              | < LOQ  | 1000   | 200  | pass   |       |      |       |         |         |          |          |  |
| Hexanes (sum)                     | < LOQ  | 60.0   | 150  | pass   |       | m,p-Xylene                 | < LOQ  | 430    | 200  | pass   |       |      |       |         |         |          |          |  |
| Methanol                          | < LOQ  | 600    | 200  | pass   |       | Methylpropane (Isobutane)  | < LOQ  | 1000   | 200  | pass   |       |      |       |         |         |          |          |  |
| n-Butane                          | < LOQ  | 1000   | 200  | pass   |       | n-Heptane                  | < LOQ  | 1000   | 200  | pass   |       |      |       |         |         |          |          |  |
| n-Hexane                          | < LOQ  | 60.0   | 30.0 | pass   |       | n-Pentane                  | < LOQ  | 1000   | 200  | pass   |       |      |       |         |         |          |          |  |
| o-Xylene                          | < LOQ  | 430    | 200  | pass   |       | Pentanes (sum)             | < LOQ  | 1000   | 600  | pass   |       |      |       |         |         |          |          |  |
| Propane                           | < LOQ  | 1000   | 200  | pass   |       | Toluene                    | < LOQ  | 180    | 100  | pass   |       |      |       |         |         |          |          |  |
| Total Xylenes                     | < LOQ  | 430    | 400  | pass   |       |                            |        |        |      |        |       |      |       |         |         |          |          |  |



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| Pesticides   |        |        |       |        |       |                  |        |        |       |        |       |
|--|--------|--------|-------|--------|-------|------------------|--------|--------|-------|--------|-------|
| Method AOAC 2007.01 & EN 15662 (mod) Units mg/kg Batch 2203876 Analyze 05/05/22 03:24 PM |        |        |       |        |       |                  |        |        |       |        |       |
| Analyte  | Result | Limits | LOQ   | Status | Notes | Analyte          | Result | Limits | LOQ   | Status | Notes |
| Abamectin  | < LOQ  | 0.25   | 0.070 | pass   |       | Acephate         | < LOQ  | 0.050  | 0.020 | pass   |       |
| Acequinocyl  | < LOQ  | 0.030  | 0.025 | pass   |       | Acetamiprid      | < LOQ  | 0.050  | 0.050 | pass   |       |
| Aldicarb   | < LOQ  | 0.50   | 0.100 | pass   |       | Bifenazate       | < LOQ  | 0.010  | 0.010 | pass   |       |
| Bifenthrin   | < LOQ  | 1.0    | 0.100 | pass   |       | Boscalid         | < LOQ  | 0.010  | 0.010 | pass   |       |
| Carbaryl   | < LOQ  | 0.025  | 0.025 | pass   |       | Carbofuran       | < LOQ  | 0.010  | 0.010 | pass   |       |
| Chlorantraniliprole  | < LOQ  | 0.020  | 0.010 | pass   |       | Chlorfenapyr     | < LOQ  | 1.5    | 0.100 | pass   |       |
| Chlorpyrifos   | < LOQ  | 0.50   | 0.010 | pass   |       | Clofentezine     | < LOQ  | 0.010  | 0.010 | pass   |       |
| Cyfluthrin   | < LOQ  | 0.20   | 0.200 | pass   |       | Cypermethrin     | < LOQ  | 0.30   | 0.300 | pass   |       |
| Daminozide   | < LOQ  | 0.10   | 0.050 | pass   |       | Diazinon         | < LOQ  | 0.020  | 0.010 | pass   |       |
| Dichlorvos   | < LOQ  | 0.050  | 0.050 | pass   |       | Dimethoate       | < LOQ  | 0.010  | 0.010 | pass   |       |
| Ethoprophos  | < LOQ  | 0.010  | 0.010 | pass   |       | Etofenprox       | < LOQ  | 0.050  | 0.010 | pass   |       |
| Etoxazole  | < LOQ  | 0.020  | 0.010 | pass   |       | Fenoxycarb       | < LOQ  | 0.010  | 0.010 | pass   |       |
| Fenpyroximate  | < LOQ  | 0.020  | 0.020 | pass   |       | Fipronil         | < LOQ  | 0.010  | 0.010 | pass   |       |
| Flonicamid   | < LOQ  | 0.025  | 0.025 | pass   |       | Fludioxonil      | < LOQ  | 0.010  | 0.010 | pass   |       |
| Hexythiazox  | < LOQ  | 0.010  | 0.010 | pass   |       | Imazalil         | < LOQ  | 0.010  | 0.010 | pass   |       |
| Imidacloprid   | < LOQ  | 0.010  | 0.010 | pass   |       | Kresoxim-methyl  | < LOQ  | 0.15   | 0.010 | pass   |       |
| Malathion  | < LOQ  | 0.010  | 0.010 | pass   |       | Metalaxyl        | < LOQ  | 0.010  | 0.010 | pass   |       |
| Methiocarb   | < LOQ  | 0.010  | 0.010 | pass   |       | Methomyl         | < LOQ  | 0.025  | 0.025 | pass   |       |
| MGK-264  | < LOQ  | 0.050  | 0.050 | pass   |       | Myclobutanil     | < LOQ  | 0.010  | 0.010 | pass   |       |
| Naled  | < LOQ  | 0.10   | 0.100 | pass   |       | Oxamyl           | < LOQ  | 1.5    | 0.500 | pass   |       |
| Paclotrazole   | < LOQ  | 0.010  | 0.010 | pass   |       | Parathion-Methyl | < LOQ  | 0.050  | 0.030 | pass   |       |
| Permethrin   | < LOQ  | 0.50   | 0.040 | pass   |       | Phosmet          | < LOQ  | 0.020  | 0.010 | pass   |       |
| Piperonyl butoxide   | < LOQ  | 1.3    | 0.200 | pass   |       | Prallethrin      | < LOQ  | 0.050  | 0.050 | pass   |       |
| Propiconazole  | < LOQ  | 0.10   | 0.010 | pass   |       | Propoxur         | < LOQ  | 0.010  | 0.010 | pass   |       |
| Pyrethrins (total)   | < LOQ  | 0.050  | 0.025 | pass   |       | Pyridaben        | < LOQ  | 0.020  | 0.020 | pass   |       |
| Spinosad   | < LOQ  | 0.010  | 0.010 | pass   |       | Spiromesifen     | < LOQ  | 3.0    | 0.030 | pass   |       |
| Spirotetramat  | < LOQ  | 0.010  | 0.010 | pass   |       | Spiroxamine      | < LOQ  | 0.10   | 0.010 | pass   |       |
| Tebuconazole   | < LOQ  | 0.010  | 0.010 | pass   |       | Thiacloprid      | < LOQ  | 0.010  | 0.010 | pass   |       |
| Thiamethoxam   | < LOQ  | 0.010  | 0.010 | pass   |       | Trifloxystrobin  | < LOQ  | 0.010  | 0.010 | pass   |       |

| Metals  |        |        |       |        |         |          |                     |        |       |  |
|---------|--------|--------|-------|--------|---------|----------|---------------------|--------|-------|--|
| Analyte | Result | Limits | Units | LOQ    | Batch   | Analyze  | Method              | Status | Notes |  |
| Arsenic | < LOQ  | 1.50   | mg/kg | 0.0898 | 2203916 | 05/05/22 | AOAC 2013.06 (mod.) | pass   | X     |  |
| Cadmium | < LOQ  | 0.50   | mg/kg | 0.0898 | 2203916 | 05/05/22 | AOAC 2013.06 (mod.) | pass   | X     |  |
| Lead    | < LOQ  | 0.50   | mg/kg | 0.0898 | 2203916 | 05/05/22 | AOAC 2013.06 (mod.) | pass   | X     |  |
| Mercury | < LOQ  | 1.50   | mg/kg | 0.0449 | 2203916 | 05/05/22 | AOAC 2013.06 (mod.) | pass   | X     |  |



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**Mycotoxins**

| Analyte         | Result | Limits | Units | LOQ  | Batch   | Analyze  | Method               | Status | Notes |
|-----------------|--------|--------|-------|------|---------|----------|----------------------|--------|-------|
| Aflatoxin B2†   | < LOQ  | 5.00   | µg/kg | 5.00 | 2204056 | 05/11/22 | AOAC 2007.01 & EN 15 | pass   |       |
| Aflatoxin B1†   | < LOQ  | 5.00   | µg/kg | 5.00 | 2204056 | 05/11/22 | AOAC 2007.01 & EN 15 | pass   |       |
| Aflatoxin G1†   | < LOQ  | 5.00   | µg/kg | 5.00 | 2204056 | 05/11/22 | AOAC 2007.01 & EN 15 | pass   |       |
| Aflatoxin G2†   | < LOQ  | 5.00   | µg/kg | 5.00 | 2204056 | 05/11/22 | AOAC 2007.01 & EN 15 | pass   |       |
| Deoxynivalenol† | < LOQ  |        | µg/kg | 200  | 2204056 | 05/11/22 | AOAC 2007.01 & EN 15 |        |       |
| Fumonisin B1†   | < LOQ  |        | µg/kg | 200  | 2204056 | 05/11/22 | AOAC 2007.01 & EN 15 |        |       |
| Fumonisin B2†   | < LOQ  |        | µg/kg | 200  | 2204056 | 05/11/22 | AOAC 2007.01 & EN 15 |        |       |
| HT2-Toxin†      | < LOQ  |        | µg/kg | 40.0 | 2204056 | 05/11/22 | AOAC 2007.01 & EN 15 |        |       |
| Ochratoxin A†   | < LOQ  | 5.00   | µg/kg | 5.00 | 2204056 | 05/11/22 | AOAC 2007.01 & EN 15 | pass   |       |
| Ochratoxin B†   | < LOQ  |        | µg/kg | 2.00 | 2204056 | 05/11/22 | AOAC 2007.01 & EN 15 |        |       |
| T2-Toxin†       | < LOQ  |        | µg/kg | 20.0 | 2204056 | 05/11/22 | AOAC 2007.01 & EN 15 |        |       |
| Zearalenone†    | < LOQ  |        | µg/kg | 200  | 2204056 | 05/11/22 | AOAC 2007.01 & EN 15 |        |       |



**Customer:** R&R  
United States of America (USA)

**Product identity:** R&R Organic Broad Spectrum 1000mg Tincture - Fresh Mint

**Client/Metric ID:** Lot 7001B

**Sample Date:**

**Laboratory ID:** 22-007159-0005

**Evidence of Cooling:** No

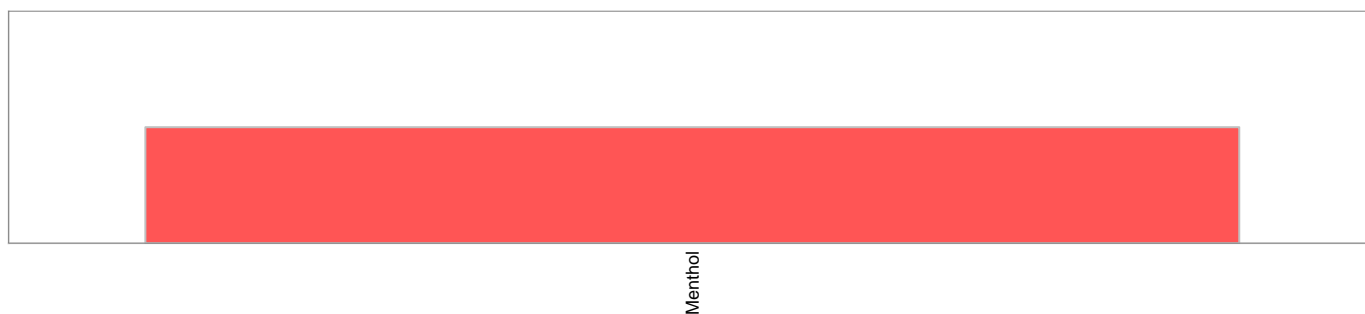
**Temp:** 20.3 °C

**Relinquished by:** UPS



### Sample Results

| Terpenes                             |               |       |            | Method J AOAC 2015 V98-6 | Units %                        | Batch 2205311 | Analyze 06/21/22 11:42 PM |            |       |
|--------------------------------------|---------------|-------|------------|--------------------------|--------------------------------|---------------|---------------------------|------------|-------|
| Analyte                              | Result        | LOQ   | % of Total | Notes                    | Analyte                        | Result        | LOQ                       | % of Total | Notes |
| Menthol <sup>†</sup>                 | 0.0505        | 0.019 | 100.0000%  |                          | (R)-(+)-Limonene <sup>†</sup>  | < LOQ         | 0.019                     | 0.00%      |       |
| a-Terpinene <sup>†</sup>             | < LOQ         | 0.019 | 0.00%      |                          | p-Cymene <sup>†</sup>          | < LOQ         | 0.019                     | 0.00%      |       |
| Geraniol <sup>†</sup>                | < LOQ         | 0.019 | 0.00%      |                          | Eucalyptol <sup>†</sup>        | < LOQ         | 0.019                     | 0.00%      |       |
| nerol <sup>†</sup>                   | < LOQ         | 0.019 | 0.00%      |                          | (+)-Borneol <sup>†</sup>       | < LOQ         | 0.019                     | 0.00%      |       |
| Isoborneol <sup>†</sup>              | < LOQ         | 0.019 | 0.00%      |                          | Geranyl acetate <sup>†</sup>   | < LOQ         | 0.019                     | 0.00%      |       |
| (-)-a-Terpineol <sup>†</sup>         | < LOQ         | 0.019 | 0.00%      |                          | a-Bisabolol <sup>†</sup>       | < LOQ         | 0.019                     | 0.00%      |       |
| (+)-Pulegone <sup>†</sup>            | < LOQ         | 0.019 | 0.00%      |                          | β-Caryophyllene <sup>†</sup>   | < LOQ         | 0.019                     | 0.00%      |       |
| (-)-Guaiol <sup>†</sup>              | < LOQ         | 0.019 | 0.00%      |                          | Humulene <sup>†</sup>          | < LOQ         | 0.019                     | 0.00%      |       |
| (±)-trans-Nerolidol <sup>†</sup>     | < LOQ         | 0.019 | 0.00%      |                          | (+)-fenchol <sup>†</sup>       | < LOQ         | 0.019                     | 0.00%      |       |
| (-)-caryophyllene oxide <sup>†</sup> | < LOQ         | 0.019 | 0.00%      |                          | (-)-Isopulegol <sup>†</sup>    | < LOQ         | 0.019                     | 0.00%      |       |
| (-)-β-Pinene <sup>†</sup>            | < LOQ         | 0.019 | 0.00%      |                          | (+)-Cedrol <sup>†</sup>        | < LOQ         | 0.019                     | 0.00%      |       |
| (±)-Camphor <sup>†</sup>             | < LOQ         | 0.019 | 0.00%      |                          | (±)-cis-Nerolidol <sup>†</sup> | < LOQ         | 0.019                     | 0.00%      |       |
| (±)-fenchone <sup>†</sup>            | < LOQ         | 0.019 | 0.00%      |                          | a-cedrene <sup>†</sup>         | < LOQ         | 0.019                     | 0.00%      |       |
| a-phellandrene <sup>†</sup>          | < LOQ         | 0.019 | 0.00%      |                          | a-pinene <sup>†</sup>          | < LOQ         | 0.019                     | 0.00%      |       |
| Camphene <sup>†</sup>                | < LOQ         | 0.019 | 0.00%      |                          | cis-β-Ocimene <sup>†</sup>     | < LOQ         | 0.006                     | 0.00%      |       |
| d-3-Carene <sup>†</sup>              | < LOQ         | 0.019 | 0.00%      |                          | farnesene <sup>†</sup>         | < LOQ         | 0.019                     | 0.00%      |       |
| gamma-Terpinene <sup>†</sup>         | < LOQ         | 0.019 | 0.00%      |                          | Linalool <sup>†</sup>          | < LOQ         | 0.019                     | 0.00%      |       |
| Sabinene <sup>†</sup>                | < LOQ         | 0.019 | 0.00%      |                          | Sabinene hydrate <sup>†</sup>  | < LOQ         | 0.019                     | 0.00%      |       |
| β-Myrcene <sup>†</sup>               | < LOQ         | 0.019 | 0.00%      |                          | Terpinolene <sup>†</sup>       | < LOQ         | 0.019                     | 0.00%      |       |
| trans-β-Ocimene <sup>†</sup>         | < LOQ         | 0.013 | 0.00%      |                          | valencene <sup>†</sup>         | < LOQ         | 0.019                     | 0.00%      |       |
| <b>Total Terpenes</b>                | <b>0.0505</b> |       |            |                          |                                |               |                           |            |       |







12423 NE Whitaker Way  
Portland, OR 97230  
503-254-1794



**Report Number:** 22-004721/D033.R001  
**Report Date:** 06/23/2022  
**ORELAP#:** OR100028  
**Purchase Order:**  
**Received:** 04/26/22 15:19

These test results are representative of the individual sample selected and submitted by the client.

**Abbreviations**

**Limits:** Action Levels per OAR-333-007-0400, OAR-333-007-0210, OAR-333-007-0220, CCR title 16-division 42. BCC-section 5723

**Limit(s) of Quantitation (LOQ):** The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.

**Threshold Note:** Action levels per 6 CCR 1010-21 CDPHE requirements

† = Analyte not NELAP accredited.

**Units of Measure**

/25g = Per 25g

cfu/g = Colony forming units per gram

g = g

g/ml = Gram per milliliter

µg/g = Microgram per gram

µg/kg = Micrograms per kilogram = parts per billion (ppb)

mg/kg = Milligram per kilogram = parts per million (ppm)

mg/1ml = Milligram per 1ml

mg/30ml = Milligram per 30ml

% = Percentage of sample

% wt = µg/g divided by 10,000

**Glossary of Qualifiers**

X: Not ORELAP accredited.

Approved Signatory

Derrick Tanner  
General Manager