

Certificate of Analysis



| | | | |
|-------------|-----------|------------------------|------------------------------------------|
| Sample Name | Resihi | Symbio ID | SYM 20231010-004 |
| Batch | CG22323RR | Registering Laboratory | San Diego |
| Client | Grove Inc | Contact | Customer Service Team |
| Address | NA | Address | 8310 Miramar Mall San Diego, CA 92121 |
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| Sampler | Client | COA Issue Date | 10/20/2023 |

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Definitions

| <: Less Than | >: Greater Than | RP: Result Pending | MPN: Most Probable Number | CFU: Colony Forming Units | ---: Not Requested | NA: Not Applicable | ND: Not Detected | MDL: Method Detection Limit | LCMRL: Lowest Concentration Minimum Reporting Level | NT: Not Tested | ~: Estimated | TBA: To Be Advised | TNTC: Too numerous to count | P/A: Presence/Absence | P: Present | A: Absent | % w/w: Percent by Weight

Analysis

| Analyte | Results | Units |
|---------------|---------|-------|
| Alpha Glucans | 22.889 | % w/w |
| Beta Glucans | 20.891 | % w/w |
| Total Glucans | 43.780 | % w/w |

Analysis Location

All analyses were completed by Symbio Laboratories – San Diego.

Analysis Comments

Alpha and Beta Glucan quantified using the NEOGEN K-YBGL Megazyme kit.

Analysis Summary

Water Activity - WA-PREP-001 - Pass - 0.528 aw

Residual Solvents - RS-PREP-001 - Pass

Microbials - MICRO-PREP-001 - Pass

Mycotoxins - PESTMYCO-LC-PREP-001 - Pass

Heavy Metals - HM-PREP-001 - Pass

Foreign Matter - FM-PREP-001 - Pass

Pesticides - PESTMYCO-LC-PREP-001 / PEST-GC-PREP-001 - Pass



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10/20/2023

Symbio ID: SYM
 20231010-004
 Reishi
 Batch#: CG22323RR

Residual Solvent Analysis

| Category 1 | LOQ | LOD | Limit | Status | Category 2 | LOQ | LOD | Limit | Status | Category 2 | LOQ | LOD | Limit | Status | | | |
|---------------------|------|-------|-------|--------|------------|---------------|-------|--------|--------|------------|------|-------------|-------|--------|-------|------|------|
| | µg/g | µg/g | µg/g | µg/g | | µg/g | µg/g | µg/g | µg/g | | µg/g | µg/g | µg/g | µg/g | | | |
| 1,2-Dichloro-Ethane | ND | 0.264 | 0.088 | 1 | Pass | Acetone | ND | 51.246 | 0.716 | 5000 | Pass | n-Hexane | ND | 0.281 | 0.027 | 290 | Pass |
| Benzene | ND | 0.052 | 0.017 | 1 | Pass | Acetonitrile | ND | 0.42 | 0.14 | 410 | Pass | Isopropanol | ND | 2.86 | 0.614 | 5000 | Pass |
| Chloroform | ND | 0.076 | 0.025 | 1 | Pass | Butane | ND | 4.849 | 0.748 | 5000 | Pass | Methanol | ND | 2.602 | 0.867 | 3000 | Pass |
| Ethylene Oxide | ND | 0.579 | 0.179 | 1 | Pass | Ethanol | 566.3 | 7.575 | 2.525 | 5000 | Pass | Pentane | ND | 5.075 | 1.692 | 5000 | Pass |
| Methylene-Chloride | ND | 0.729 | 0.08 | 1 | Pass | Ethyl-Acetate | ND | 2.288 | 0.175 | 5000 | Pass | Propane | ND | 9.709 | 3.236 | 5000 | Pass |
| Trichloroethene | ND | 0.145 | 0.028 | 1 | Pass | Ethyl-Ether | ND | 2.869 | 0.389 | 5000 | Pass | Toluene | ND | 0.864 | 0.067 | 890 | Pass |
| | | | | | | Heptane | ND | 2.859 | 0.496 | 5000 | Pass | Xylenes | ND | 2.572 | 0.326 | 2170 | Pass |

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP RS-INST-003.

Heavy Metal Screening

| | LOQ | LOD | Limit | Status | |
|---------|-------|-------|-------|--------|------|
| | µg/g | µg/g | µg/g | µg/g | |
| Arsenic | 0.018 | 0.009 | 0.003 | 1.5 | Pass |
| Cadmium | <LOQ | 0.002 | 0.001 | 0.5 | Pass |
| Lead | 0.006 | 0.004 | 0.001 | 0.5 | Pass |
| Mercury | ND | 0.014 | 0.005 | 3 | Pass |

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: ICP-MS; samples analyzed according to SOP HM-INST-003.

Microbiological Screening

| | Limit | Result | Status |
|-----------------------|-------|--------------|--------|
| | CFU/g | CFU/g | |
| Aspergillus flavus | | NR | NT |
| Aspergillus fumigatus | | NR | NT |
| Aspergillus niger | | NR | NT |
| Aspergillus terreus | | NR | NT |
| STEC | | Not Detected | Pass |
| Salmonella SPP | | Not Detected | Pass |

ND=Not Detected. Analytical instrumentation used:qPCR; samples analyzed according to SOP MICRO-INST-001.

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20231010-004
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Chemical Residue Screening

| Category 1 | LOQ | LOD | Status | Mycotoxins | LOQ | LOD | Limit | Status | | |
|------------------|------|-------|--------|------------|------------------|-------|-------|--------|--------|------|
| | µg/g | µg/g | µg/g | | µg/kg | µg/kg | µg/kg | | | |
| Aldicarb | ND | 0.065 | 0.022 | Pass | B1 | ND | 7.88 | 2.6 | Tested | |
| Carbofuran | ND | 0.030 | 0.009 | Pass | B2 | ND | 6.18 | 2.04 | Tested | |
| Chlordane | ND | 0.075 | 0.025 | Pass | G1 | ND | 8.99 | 2.97 | Tested | |
| Chlorfenapyr | ND | 0.075 | 0.025 | Pass | G2 | ND | 5.72 | 1.89 | Tested | |
| Chlorpyrifos | ND | 0.053 | 0.018 | Pass | Ochratoxin A | ND | 11.72 | 3.87 | 20 | Pass |
| Coumaphos | ND | 0.056 | 0.018 | Pass | Total Aflatoxins | ND | | 20 | Pass | |
| Daminozide | ND | 0.079 | 0.026 | Pass | | | | | | |
| Dichlorvos | ND | 0.067 | 0.022 | Pass | | | | | | |
| Dimethoate | ND | 0.036 | 0.012 | Pass | | | | | | |
| Ethoprophos | ND | 0.053 | 0.017 | Pass | | | | | | |
| Etofenprox | ND | 0.030 | 0.008 | Pass | | | | | | |
| Fenoxycarb | ND | 0.043 | 0.014 | Pass | | | | | | |
| Fipronil | ND | 0.045 | 0.015 | Pass | | | | | | |
| Imazalil | ND | 0.047 | 0.016 | Pass | | | | | | |
| Methiocarb | ND | 0.047 | 0.016 | Pass | | | | | | |
| Mevinphos | ND | 0.042 | 0.014 | Pass | | | | | | |
| Pacllobutrazol | ND | 0.040 | 0.013 | Pass | | | | | | |
| Parathion Methyl | ND | 0.024 | 0.008 | Pass | | | | | | |
| Propoxur | ND | 0.047 | 0.016 | Pass | | | | | | |
| Spiroxamine | ND | 0.032 | 0.011 | Pass | | | | | | |
| Thiacloprid | ND | 0.042 | 0.014 | Pass | | | | | | |

| Category 2 | LOQ | LOD | Limit | Status | Category 2 | LOQ | LOD | Limit | Status | | |
|---------------------|------|-------|-------|--------|------------|-------------------------|------|-------|--------|-----|------|
| | µg/g | µg/g | µg/g | µg/g | | µg/g | µg/g | µg/g | µg/g | | |
| Abamectin | ND | 0.030 | 0.010 | 0.3 | Pass | Kresoxim Methyl | ND | 0.038 | 0.012 | 1 | Pass |
| Acephate | ND | 0.050 | 0.016 | 5 | Pass | Malathion | ND | 0.035 | 0.012 | 5 | Pass |
| Acetaminocyl | ND | 0.059 | 0.019 | 4 | Pass | Metalaxyl | ND | 0.031 | 0.010 | 15 | Pass |
| Acetamiprid | ND | 0.044 | 0.015 | 5 | Pass | Methomyl | ND | 0.048 | 0.016 | 0.1 | Pass |
| Azoxystrobin | ND | 0.029 | 0.010 | 40 | Pass | Myclobutanil | ND | 0.055 | 0.018 | 9 | Pass |
| Bifenazate | ND | 0.035 | 0.012 | 5 | Pass | Naled | ND | 0.051 | 0.017 | 0.5 | Pass |
| Bifenthrin | ND | 0.040 | 0.013 | 0.5 | Pass | Oxamyl | ND | 0.046 | 0.015 | 0.3 | Pass |
| Boscalid | ND | 0.060 | 0.020 | 10 | Pass | Pentachloronitrobenzene | ND | 0.054 | 0.018 | 0.2 | Pass |
| Captan | ND | 0.358 | 0.120 | 5 | Pass | Permethrin | ND | 0.030 | 0.008 | 20 | Pass |
| Carbaryl | ND | 0.049 | 0.016 | 0.5 | Pass | Phosmet | ND | 0.038 | 0.012 | 0.2 | Pass |
| Chlorantraniliprole | ND | 0.063 | 0.021 | 40 | Pass | Piperonyl Butoxide | ND | 0.030 | 0.008 | 8 | Pass |
| Clofentezine | ND | 0.039 | 0.013 | 0.5 | Pass | Prallethrin | ND | 0.068 | 0.023 | 0.4 | Pass |
| Cyfluthrin | ND | 0.056 | 0.019 | 1 | Pass | Propiconazole | ND | 0.059 | 0.019 | 20 | Pass |
| Cypermethrin | ND | 0.044 | 0.015 | 1 | Pass | Pyrethrins | ND | 0.030 | 0.004 | 1 | Pass |
| Diazinon | ND | 0.030 | 0.006 | 0.2 | Pass | Pyridaben | ND | 0.035 | 0.012 | 3 | Pass |
| Dimethomorph | ND | 0.042 | 0.014 | 20 | Pass | Spinetoram | ND | 0.030 | 0.006 | 3 | Pass |
| Etoxazole | ND | 0.030 | 0.008 | 1.5 | Pass | Spinosad | ND | 0.030 | 0.004 | 3 | Pass |
| Fenhexamid | ND | 0.039 | 0.013 | 10 | Pass | Spiromesifen | ND | 0.042 | 0.014 | 12 | Pass |
| Fenpyroximate | ND | 0.030 | 0.010 | 2 | Pass | Spirotetramat | ND | 0.041 | 0.013 | 13 | Pass |
| Flonicamid | ND | 0.081 | 0.027 | 2 | Pass | Tebuconazole | ND | 0.044 | 0.014 | 2 | Pass |
| Fludioxonil | ND | 0.046 | 0.015 | 30 | Pass | Thiamethoxam | ND | 0.055 | 0.018 | 4.5 | Pass |
| Hexythiazox | ND | 0.078 | 0.026 | 2 | Pass | Trifloxystrobin | ND | 0.031 | 0.010 | 30 | Pass |
| Imidacloprid | ND | 0.071 | 0.023 | 3 | Pass | | | | | | |

Other Analyte(s):

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: LC-MS-MS & GC-MS-MS; samples analyzed according to SOPs PESTMYCO-LC-INST-004 and PEST-GC-INST-003.

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