



Product Development (R&D)

Report Published: 12/07/2023

Client Name: Reddi Beverage Company
LLC

Address: 1229 N North Branch Chicago,
IL. 60607

Phone: (630) 407-4875

Certificate Number: 11106

License Number: N/A

Sample Description: CS WM

Batch ID: None

Lot ID: None

Sample ID: 49-2312-04

Sampling Method: SOP-SMPL-002

Sample Type: Beverage (Low)

Sampling Date: 12/04/2023



Results Summary

Potency ✔ TESTED

Date Analyzed: 12/07/2023

Method Used:
SOP-CANN-001

Terpenes ✔ TESTED

Date Analyzed: 12/05/2023

Method Used:
SOP_TERP_001

Pesticides ✔ TESTED

Date Analyzed: 12/05/2023

Method Used:
SOP_PEST_001

Mycotoxins ✔ TESTED

Date Analyzed: 12/05/2023

Method Used:
SOP_MYCO_001

Heavy Metals ✔ TESTED

Date Analyzed: 12/06/2023

Method Used:
SOP_HM_001

Residual Solvents ✔ TESTED

Date Analyzed: 12/05/2023

Method Used:
SOP_RS_001

Microbial Impurities ✔ TESTED

Date Analyzed: 12/05/2023

Method Used:
SOP_MICRO_001

Foreign Matter ✔ TESTED

Date Analyzed: 12/05/2023

Method Used:
SOP_FM_001

Potency

✓ TESTED

Date Analyzed: 12/07/2023
 Instrument: Agilent 1260 HPLC

Date Completed: 12/07/2023
 Lab Tech: Malcolm Manning

Moisture Content (%): None
 Unit Size (mL): 355

| Cannabinoid | Result (%) | Result (mg/g) | Result (mg/unit) | Result (mg/package) | LOD (%) | LOQ (%) | Relative Abundance |
|---------------------------|--------------|---------------|------------------|---------------------|---------|---------|--------------------|
| CBDVA | ND | ND | ND | ND | 0.00025 | 0.0005 | |
| CBDV | ND | ND | ND | ND | 0.00025 | 0.0005 | |
| CBDA | ND | ND | ND | ND | 0.00025 | 0.0005 | |
| CBD | ND | ND | ND | ND | 0.00025 | 0.0005 | |
| THCVA | ND | ND | ND | ND | 0.00025 | 0.0005 | |
| THCV | ND | ND | ND | ND | 0.00025 | 0.0005 | |
| THCA | ND | ND | ND | ND | 0.00025 | 0.0005 | |
| Δ9 THC | 0.001 | 0.006 | 2.103 | 2.103 | 0.00025 | 0.0005 | |
| Δ8 THC | ND | ND | ND | ND | 0.00025 | 0.0005 | |
| CBN | ND | ND | ND | ND | 0.00025 | 0.0005 | |
| CBCA | ND | ND | ND | ND | 0.00025 | 0.0005 | |
| CBC | ND | ND | ND | ND | 0.00025 | 0.0005 | |
| CBGA | ND | ND | ND | ND | 0.00025 | 0.0005 | |
| CBG | ND | ND | ND | ND | 0.00025 | 0.0005 | |
| Total THC | 0.001 | 0.006 | 2.103 | 2.103 | | | |
| Total CBD | ND | ND | ND | ND | | | |
| Total Cannabinoids | 0.001 | 0.006 | 2.103 | 2.103 | | | |

Total THC % = THC% + (THCA% x 0.877)

Total CBD % = CBD% + (CBDA% x 0.877)

Total Cannabinoids = Sum of all cannabinoids without THC/CBD corrections.

LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected.

The reported result for each analyte includes a moisture content correction equal to: Base% / (1 - Moisture%)

Relative Abundance represents the percentage of each analyte compared with the total cannabinoid content.

Terpenes

✓ TESTED

Date Analyzed: 12/05/2023
 Instrument: Agilent 8890/5977B GCMS

Date Completed: 12/06/2023
 Lab Tech: Landen Nickel

Moisture Content (%): None

| Terpene | Result (%) | LOD (%) | LOQ (%) | Terpene | Result (%) | LOD (%) | LOQ (%) |
|---------------------|------------|---------|---------|------------------------------|------------|---------|---------|
| α-Bisabolol | ND | 0.005 | 0.023 | Δ-3-Carene | ND | 0.005 | 0.023 |
| α-Humulene | ND | 0.005 | 0.023 | D-Limonene | ND | 0.005 | 0.032 |
| α-Pinene | ND | 0.005 | 0.023 | Eucalyptol | ND | 0.005 | 0.023 |
| α-Terpinene | ND | 0.005 | 0.023 | Geraniol | ND | 0.005 | 0.032 |
| β-Caryophyllene | ND | 0.005 | 0.023 | Guaiol | ND | 0.005 | 0.023 |
| β-Myrcene | ND | 0.005 | 0.023 | Isopulegol | ND | 0.005 | 0.023 |
| β-Pinene | ND | 0.005 | 0.023 | Linalool | ND | 0.005 | 0.023 |
| Camphene | ND | 0.005 | 0.023 | p-Cymene | ND | 0.005 | 0.023 |
| Caryophyllene Oxide | ND | 0.005 | 0.023 | Terpinolene | ND | 0.005 | 0.023 |
| cis-β-Ocimene | ND | 0.001 | 0.006 | trans-Nerolidol | ND | 0.003 | 0.014 |
| cis-Nerolidol | ND | 0.002 | 0.009 | γ-Terpinene | ND | 0.005 | 0.023 |
| | | | | Total Terpene Content | ND | | |

This analysis was performed for R&D purposes and are for internal business use only. Test results apply to samples within this analysis only. Test results shall not be reproduced except in full without approval of the laboratory. Smithers CTS IL LLC uses simple acceptance for all pass/fail results. Uncertainty is not taken into account for pass/fail determinations.



Landen Nickel - Lab Supervisor 12/07/2023

Pesticides

 **TESTED**

Date Analyzed: 12/05/2023
Instrument: Agilent Ultivo LC-MS/MS

Date Completed: 12/06/2023
Lab Tech: Landen Nickel

| Pesticide | Result (ppb) | LOD (ppb) | LOQ (ppb) |
|-----------------------|--------------|-----------|-----------|
| Acephate | ND | 10.000 | 50.000 |
| Acetamiprid | ND | 1.000 | 5.000 |
| Aldicarb | ND | 5.000 | 10.000 |
| Bifenazate | NR | 0.500 | 1.000 |
| Bifenthrin | ND | 5.000 | 5.000 |
| Carbaryl | ND | 5.000 | 5.000 |
| Carbofuran | ND | 0.500 | 1.000 |
| Chlorantraniliprole | ND | 10.000 | 20.000 |
| Chloromequat Chloride | ND | 20.000 | 40.000 |
| Chlorpyrifos | ND | 5.000 | 5.000 |
| Chlofentezine | ND | 5.000 | 10.000 |
| Coumaphos | ND | 5.000 | 5.000 |
| Diazinon | ND | 0.500 | 1.000 |
| Dimethomorph I | ND | 5.000 | 5.000 |
| Dimethomorph II | ND | 5.000 | 5.000 |
| Ethoprophos | ND | 1.000 | 5.000 |
| Etofenprox | ND | 1.000 | 1.000 |
| Etoxazole | ND | 0.500 | 1.000 |
| Fenhexamid | ND | 5.000 | 10.000 |
| Fenpyroximate | ND | 0.500 | 1.000 |
| Fipronil | ND | 5.000 | 5.000 |

| Pesticide | Result (ppb) | LOD (ppb) | LOQ (ppb) |
|-----------------|--------------|-----------|-----------|
| Flonicamid | ND | 1.000 | 5.000 |
| Fludioxonil | ND | 5.000 | 5.000 |
| Hexythiazox | ND | 5.000 | 5.000 |
| Imidacloprid | ND | 1.000 | 5.000 |
| Kresoxim Methyl | ND | 5.000 | 5.000 |
| Metalaxyl | ND | 0.500 | 1.000 |
| Oxamyl I | ND | 1.000 | 5.000 |
| Phosmet | ND | 5.000 | 5.000 |
| Prallethrin | NR | 5.000 | 10.000 |
| Pyridaben | ND | 0.500 | 1.000 |
| Spinetoram J | ND | 0.500 | 1.000 |
| Spinetoram L | ND | 0.500 | 1.000 |
| Spinosyn A | ND | 5.000 | 5.000 |
| Spinosyn D | ND | 5.000 | 5.000 |
| Spiromesifen | NR | 0.500 | 1.000 |
| Spirotetramat | NR | 5.000 | 5.000 |
| Spiroxamine I | ND | 0.500 | 1.000 |
| Spiroxamine II | ND | 0.500 | 1.000 |
| Tebuconazole | ND | 5.000 | 5.000 |
| Thiacloprid | ND | 0.500 | 1.000 |
| Thiamethoxam | ND | 1.000 | 5.000 |
| Trifloxystrobin | ND | 0.500 | 1.000 |

Mycotoxins

 **TESTED**

Date Analyzed: 12/05/2023
Instrument: Agilent Ultivo LC-MS/MS

Date Completed: 12/06/2023
Lab Tech: Landen Nickel

| Mycotoxins | Result (ppb) | LOD (ppb) | LOQ (ppb) |
|--------------|--------------|-----------|-----------|
| Aflatoxin B1 | ND | 4.919 | 9.837 |
| Aflatoxin B2 | ND | 4.919 | 9.837 |
| Aflatoxin G1 | ND | 4.919 | 9.837 |
| Aflatoxin G2 | ND | 4.919 | 9.837 |
| Ochratoxin A | ND | 9.837 | 9.837 |

Heavy Metals

 **TESTED**

Date Analyzed: 12/06/2023
Instrument: Agilent 7800 ICP-MS

Date Completed: 12/07/2023
Lab Tech: Malcolm Manning

| Heavy Metals | Result (ppb) | LOD (ppb) | LOQ (ppb) |
|--------------|--------------|-----------|-----------|
| Lead | ND | 1.616 | 80.802 |
| Arsenic | <LOQ | 1.616 | 80.802 |
| Cadmium | ND | 1.616 | 80.802 |
| Mercury | ND | 1.616 | 8.080 |
| Chromium | ND | 1.616 | 80.802 |

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Landen Nickel - Lab Supervisor 12/07/2023

Residual Solvents

 **TESTED**
Date Analyzed: 12/05/2023
Instrument: GC-FID

Date Completed: 12/06/2023
Lab Tech: Malcolm Manning

| Residual Solvent | Result (ppm) | LOD (ppm) | LOQ (ppm) |
|--------------------|--------------|-----------|-----------|
| Propane | ND | 6.690 | 13.381 |
| Butane | ND | 8.726 | 13.381 |
| Methanol | ND | 7.160 | 13.381 |
| Ethylene Oxide | ND | 0.098 | 2.230 |
| Pentane | ND | 3.091 | 13.381 |
| Ethanol | 35.054 | 1.297 | 13.381 |
| Ethyl Ether | ND | 2.921 | 13.381 |
| Acetone | ND | 2.690 | 13.381 |
| Petroleum Ether | ND | 0.323 | 1.078 |
| Isopropyl Alcohol | ND | 1.166 | 13.381 |
| Methylene Chloride | ND | 0.577 | 13.381 |
| Hexane | ND | 0.323 | 13.381 |
| Ethyl Acetate | ND | 1.792 | 13.381 |
| Heptane | ND | 2.230 | 13.381 |
| Trichloroethene | ND | 0.062 | 13.381 |
| Toluene | ND | 0.426 | 13.381 |
| Total Xylenes | ND | 1.355 | 13.381 |

Microbial Impurities (Quantitative)

 **TESTED**
Date Analyzed: 12/05/2023
Instrument: 3M Petrifilm

Date Completed: 12/07/2023
Lab Tech: Lillian Catala

| Microbials (Quantitative) | Result (CFU/g) |
|-----------------------------|----------------|
| Total Coliform Count | ND |
| Total BTGN Count | ND |
| Total Aerobic Content Count | ND |
| Total Yeast and Mold Count | ND |

TNTC = Too numerous to count.

Microbial Impurities (Qualitative)

 **TESTED**
Date Analyzed: 12/05/2023
Instrument: 3M Petrifilm

Date Completed: 12/07/2023
Lab Tech: Lillian Catala

| Microbials (Qualitative) | Result |
|--------------------------|--------------|
| STEC | Not Detected |
| Salmonella Spp. | Not Detected |

TNTC = Too numerous to count.

Foreign Matter

 **TESTED**

Date Analyzed: 12/05/2023
Instrument: Visual Inspection

Date Completed: 12/05/2023
Lab Tech: Malcolm Manning

| Foreign Materials | Result (% w/w) |
|-------------------|----------------|
| Cinders | ND |
| Dirt | ND |
| Insect Fragments | ND |
| Mold | ND |
| Other | ND |

--- END OF REPORT ---