



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: 11107

License Number: N/A

Sample Description: CS SJ

Batch ID: None

Lot ID: None

Sample ID: 49-2312-05

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

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

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	0.005	1.847	1.847	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	0.005	1.847	1.847			
Total CBD	ND	ND	ND	ND			
Total Cannabinoids	0.001	0.005	1.847	1.847			

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		

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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	4.990	9.980
Aflatoxin B2	ND	4.990	9.980
Aflatoxin G1	ND	4.990	9.980
Aflatoxin G2	ND	4.990	9.980
Ochratoxin A	ND	9.980	9.980

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	1.633	81.646
Arsenic	ND	1.633	81.646
Cadmium	ND	1.633	81.646
Mercury	ND	1.633	8.165
Chromium	ND	1.633	81.646

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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	7.075	14.151
Butane	ND	9.228	14.151
Methanol	ND	7.572	14.151
Ethylene Oxide	ND	0.104	2.358
Pentane	ND	3.269	14.151
Ethanol	ND	1.372	14.151
Ethyl Ether	ND	3.090	14.151
Acetone	ND	2.844	14.151
Petroleum Ether	ND	0.342	1.140
Isopropyl Alcohol	ND	1.233	14.151
Methylene Chloride	ND	0.610	14.151
Hexane	ND	0.342	14.151
Ethyl Acetate	ND	1.895	14.151
Heptane	ND	2.358	14.151
Trichloroethene	ND	0.065	14.151
Toluene	ND	0.451	14.151
Total Xylenes	ND	1.433	14.151

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 ---