



Product Development (R&D)

Report Published: 06/30/2023

Client Name: Reddi Beverage Company
LLC

Address: 1229 N North Branch Chicago,
IL. 60607

Phone: (630) 407-4875

Certificate Number: 9029

License Number: N/A

Sample Description: Flora Delta 9

Batch ID: 062123

Lot ID: None

Sample ID: 25-2306-20

Sampling Method: SOP-SMPL-003

Sample Type: Beverage (High)

Sampling Date: 06/26/2023



Results Summary

Potency

✓ TESTED

Date Analyzed: 06/29/2023

Method Used:
SOP-CANN-001

Terpenes

✓ TESTED

Date Analyzed: 06/27/2023

Method Used:
SOP_TERP_001

Pesticides

✓ TESTED

Date Analyzed: 06/28/2023

Method Used:
SOP_PEST_001

Mycotoxins

✓ TESTED

Date Analyzed: 06/28/2023

Method Used:
SOP_MYCO_001

Heavy Metals

✓ TESTED

Date Analyzed: 06/28/2023

Method Used:
SOP_HM_001

Residual Solvents

✓ TESTED

Date Analyzed: 06/28/2023

Method Used:
SOP_RS_001

Microbial Impurities

✓ TESTED

Date Analyzed: 06/27/2023

Method Used:
SOP_MICRO_001

Foreign Matter

✓ TESTED

Date Analyzed: 06/27/2023

Method Used:
SOP_FM_001

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Nicholas Williams, Ph.D. - Lab Director 06/30/2023

Potency

 **TESTED**
Date Analyzed: 06/29/2023
Instrument: Agilent 1260 HPLC

Date Completed: 06/29/2023
Lab Tech: Landen Nickel

Moisture Content (%): None
Unit Size (oz): 2

Cannabinoid	Result (%)	Result (mg/g)	Result (mg/unit)	Result (mg/package)	LOD (%)	LOQ (%)	Relative Abundance
CBDVA	ND	ND	ND	ND	5e-05	0.0001	
CBDV	ND	ND	ND	ND	5e-05	0.0001	
CBDA	ND	ND	ND	ND	5e-05	0.0001	
CBD	0.000	0.002	0.121	1.517	5e-05	0.0001	
THCVA	ND	ND	ND	ND	5e-05	0.0001	
THCV	ND	ND	ND	ND	5e-05	0.0001	
THCA	ND	ND	ND	ND	5e-05	0.0001	
Δ9 THC	0.014	0.140	8.256	103.195	5e-05	0.0001	█
Δ8 THC	0.001	0.010	0.568	7.097	5e-05	0.0001	█
CBN	0.000	0.001	0.083	1.032	5e-05	0.0001	
CBCA	ND	ND	ND	ND	5e-05	0.0001	
CBC	ND	ND	ND	ND	5e-05	0.0001	
CBGA	ND	ND	ND	ND	5e-05	0.0001	
CBG	ND	ND	ND	ND	5e-05	0.0001	
Total THC	0.014	0.140	8.256	103.195			
Total CBD	0.000	0.002	0.121	1.517			
Total Cannabinoids	0.015	0.153	9.027	112.841			

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: 06/27/2023
Instrument: Agilent 8890/5973 GCMS

Date Completed: 06/28/2023
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	0.033
α-Pinene	ND	0.005	0.023	Eucalyptol	ND	0.005	0.023
α-Terpinene	ND	0.005	0.023	Geraniol	ND	0.005	0.033
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	0.007	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		

Pesticides

 **TESTED**

Date Analyzed: 06/28/2023
Instrument: Agilent Ultivo LC-MS/MS

Date Completed: 06/29/2023
Lab Tech: Maia Mrkvicka

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	ND	0.500	1.000
Spirotetramat	ND	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: 06/28/2023
Instrument: Agilent Ultivo LC-MS/MS

Date Completed: 06/29/2023
Lab Tech: Maia Mrkvicka

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)
Aflatoxin B1	ND	4.963	9.926
Aflatoxin B2	ND	4.963	9.926
Aflatoxin G1	ND	4.963	9.926
Aflatoxin G2	ND	4.963	9.926
Ochratoxin A	ND	9.926	9.926

Heavy Metals


 **TESTED**

Date Analyzed: 06/28/2023
Instrument: Agilent 7800 ICP-MS

Date Completed: 06/29/2023
Lab Tech: Margarita Gomez

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)
Lead	<LOQ	1.668	83.389
Arsenic	<LOQ	1.668	83.389
Cadmium	ND	1.668	83.389
Mercury	ND	1.668	8.339
Chromium	<LOQ	1.668	83.389

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 Nicholas Williams, Ph.D. - Lab Director 06/30/2023

Residual Solvents

 **TESTED**
Date Analyzed: 06/28/2023
Instrument: GC-FID

Date Completed: 06/29/2023
Lab Tech: Malcolm Manning

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)
Propane	ND	7.317	14.634
Butane	ND	9.543	14.634
Methanol	ND	7.830	14.634
Ethylene Oxide	ND	0.107	2.439
Pentane	ND	3.380	14.634
Ethanol	238.107	1.419	14.634
Ethyl Ether	ND	3.195	14.634
Acetone	ND	2.941	14.634
Petroleum Ether	ND	0.353	1.179
Isopropyl Alcohol	ND	1.275	14.634
Methylene Chloride	ND	0.631	14.634
Hexane	ND	0.353	14.634
Ethyl Acetate	ND	1.960	14.634
Heptane	ND	2.439	14.634
Trichloroethene	ND	0.067	14.634
Toluene	ND	0.466	14.634
Total Xylenes	ND	1.482	14.634

Microbial Impurities (Quantitative)

 **TESTED**
Date Analyzed: 06/27/2023
Instrument: 3M Petrifilm

Date Completed: 06/30/2023
Lab Tech: Margarita Gomez

Microbials (Quantitative)	Result (CFU/g)
Total Coliform Count	ND
Total BTGN Count	ND
Total Aerobic Content Count	ND
Total Yeast and Mold Count	9

TNTC = Too numerous to count.

Microbial Impurities (Qualitative)

 **TESTED**
Date Analyzed: 06/27/2023
Instrument: 3M Petrifilm

Date Completed: 06/30/2023
Lab Tech: Margarita Gomez

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

TNTC = Too numerous to count.

Foreign Matter

 **TESTED**

Date Analyzed: 06/27/2023
Instrument: Visual Inspection

Date Completed: 06/27/2023
Lab Tech: Landen Nickel

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

--- END OF REPORT ---