



Product Development (R&D)

Report Published: 06/02/2023

Client Name: Reddi Beverage Company
LLC

Address: 1229 N North Branch Chicago,
IL. 60607

Phone: (630) 407-4875

Certificate Number: 8773

License Number: N/A

Sample Description: Flora Spicy Mango "Margarita"

Batch ID: SMM520

Lot ID: None

Sample ID: 21-2305-36

Sampling Method: SOP-SMPL-003

Sample Type: Beverage (Low)

Sampling Date: 05/31/2023



Results Summary

Potency

✓ TESTED

Date Analyzed: 05/31/2023

Method Used:
SOP-CANN-001

Terpenes

✓ TESTED

Date Analyzed: 06/01/2023

Method Used:
SOP_TERP_001

Pesticides

✓ PASS

Date Analyzed: 05/31/2023

Method Used:
SOP_PEST_001

Mycotoxins

✓ PASS

Date Analyzed: 05/31/2023

Method Used:
SOP_MYCO_001

Heavy Metals

✓ PASS

Date Analyzed: 06/01/2023

Method Used:
SOP_HM_001

Residual Solvents

✓ PASS

Date Analyzed: 05/31/2023

Method Used:
SOP_RS_001

Microbial Impurities

✓ PASS

Date Analyzed: 05/31/2023

Method Used:
SOP_MICRO_001

Foreign Matter

✓ PASS

Date Analyzed: 06/01/2023

Method Used:
SOP_FM_001

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Nicholas Williams, Ph.D. - Lab Director 06/02/2023

Potency

✓ TESTED

Date Analyzed: 05/31/2023
 Instrument: Agilent 1260 HPLC

Date Completed: 06/01/2023
 Lab Tech: Margarita Gomez

Moisture Content (%): None
 Unit Size (oz): 7.50

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	0.004	0.036	8.028	8.028	5e-05	0.0001	
THCVA	<LOQ	<LOQ	<LOQ	<LOQ	5e-05	0.0001	
THCV	ND	ND	ND	ND	5e-05	0.0001	
THCA	ND	ND	ND	ND	5e-05	0.0001	
Δ9 THC	0.002	0.021	4.568	4.568	5e-05	0.0001	
Δ8 THC	<LOQ	<LOQ	<LOQ	<LOQ	5e-05	0.0001	
CBN	ND	ND	ND	ND	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	0.002	0.021	4.568	4.568			
Total CBD	0.004	0.036	8.028	8.028			
Total Cannabinoids	0.006	0.057	12.596	12.596			

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: 06/01/2023
 Instrument: Agilent 8890/5973 GCMS

Date Completed: 06/02/2023
 Lab Tech: Landen Nickel

Moisture Content (%): None

Terpene	Result (%)	LOD (%)	LOQ (%)	Terpene	Result (%)	LOD (%)	LOQ (%)
α-Bisabolol	ND	0.004	0.022	Δ-3-Carene	<LOQ	0.004	0.022
α-Humulene	<LOQ	0.004	0.022	D-Limonene	ND	0.004	0.031
α-Pinene	ND	0.004	0.022	Eucalyptol	<LOQ	0.004	0.022
α-Terpinene	<LOQ	0.004	0.022	Geraniol	ND	0.004	0.031
β-Caryophyllene	ND	0.004	0.022	Guaiol	ND	0.004	0.022
β-Myrcene	<LOQ	0.004	0.022	Isopulegol	ND	0.004	0.022
β-Pinene	ND	0.004	0.022	Linalool	ND	0.004	0.022
Camphene	ND	0.004	0.022	p-Cymene	ND	0.004	0.022
Caryophyllene Oxide	ND	0.004	0.022	Terpinolene	ND	0.004	0.022
cis-β-Ocimene	<LOQ	0.001	0.006	trans-Nerolidol	ND	0.003	0.013
cis-Nerolidol	ND	0.002	0.009	γ-Terpinene	<LOQ	0.004	0.022
Total Terpene Content	ND						

Pesticides

✓ PASS

Date Analyzed: 05/31/2023
Instrument: Agilent Ultivo LC-MS/MS

Date Completed: 06/02/2023
Lab Tech: Landen Nickel

Pesticide	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Acephate	ND	10.000	50.000	50	Pass
Acetamiprid	ND	1.000	5.000	10	Pass
Aldicarb	ND	5.000	10.000	20	Pass
Bifenazate	NR	0.500	1.000	20	Pass
Bifenthrin	ND	5.000	5.000	50	Pass
Carbaryl	ND	5.000	5.000	20	Pass
Carbofuran	ND	0.500	1.000	100	Pass
Chlorantraniliprole	ND	10.000	20.000	20	Pass
Chloromequat Chloride	ND	20.000	40.000	40	Pass
Chlorpyrifos	ND	5.000	5.000	10	Pass
Chlofentezine	ND	5.000	10.000	10	Pass
Coumaphos	ND	5.000	5.000	150	Pass
Diazinon	ND	0.500	1.000	50	Pass
Dimethomorph I	ND	5.000	5.000	50	Pass
Dimethomorph II	ND	5.000	5.000	50	Pass
Ethoprophos	ND	1.000	5.000	20	Pass
Etofenprox	ND	1.000	1.000	10	Pass
Etoxazole	ND	0.500	1.000	10	Pass
Fenhexamid	ND	5.000	10.000	20	Pass
Fenpyroximate	ND	0.500	1.000	15	Pass
Fipronil	ND	5.000	5.000	10	Pass

Pesticide	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Flonicamid	ND	1.000	5.000	30	Pass
Fludioxonil	ND	5.000	5.000	10	Pass
Hexythiazox	ND	5.000	5.000	20	Pass
Imidacloprid	ND	1.000	5.000	20	Pass
Kresoxim Methyl	ND	5.000	5.000	10	Pass
Metalaxyl	ND	0.500	1.000	20	Pass
Oxamyl I	ND	1.000	5.000	50	Pass
Phosmet	ND	5.000	5.000	40	Pass
Prallethrin	NR	5.000	10.000	1000	Pass
Pyridaben	ND	0.500	1.000	10	Pass
Spinetoram J	ND	0.500	1.000	40	Pass
Spinetoram L	ND	0.500	1.000	40	Pass
Spinosyn A	ND	5.000	5.000	10	Pass
Spinosyn D	ND	5.000	5.000	10	Pass
Spiromesifen	ND	0.500	1.000	10	Pass
Spirotetramat	ND	5.000	5.000	10	Pass
Spiroxamine I	ND	0.500	1.000	50	Pass
Spiroxamine II	ND	0.500	1.000	50	Pass
Tebuconazole	ND	5.000	5.000	50	Pass
Thiacloprid	ND	0.500	1.000	20	Pass
Thiamethoxam	ND	1.000	5.000	20	Pass
Trifloxystrobin	ND	0.500	1.000	10	Pass

Mycotoxins

✓ PASS

Date Analyzed: 05/31/2023
Instrument: Agilent Ultivo LC-MS/MS

Date Completed: 06/02/2023
Lab Tech: Landen Nickel

Mycotoxins	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1	ND	4.897	9.793	20	Pass
Aflatoxin B2	ND	4.897	9.793	20	Pass
Aflatoxin G1	ND	4.897	9.793	20	Pass
Aflatoxin G2	ND	4.897	9.793	20	Pass
Ochratoxin A	ND	9.793	9.793	20	Pass

Heavy Metals

✓ PASS

Date Analyzed: 06/01/2023
Instrument: Agilent 7800 ICP-MS

Date Completed: 06/02/2023
Lab Tech: Margarita Gomez

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Lead	ND	1.700	84.976	1000	Pass
Arsenic	<LOQ	1.700	84.976	1500	Pass
Cadmium	ND	1.700	84.976	500	Pass
Mercury	ND	1.700	8.498	3000	Pass
Chromium	ND	1.700	84.976	2000	Pass

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Nicholas Williams
 Nicholas Williams, Ph.D. - Lab Director 06/02/2023

Residual Solvents

 **PASS**
Date Analyzed: 05/31/2023
Instrument: GC-FID

Date Completed: 06/01/2023
Lab Tech: Malcolm Manning

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Status
Propane	ND	7.317	14.634	5000	Pass
Butane	ND	9.543	14.634	5000	Pass
Methanol	ND	7.830	14.634	3000	Pass
Ethylene Oxide	ND	0.107	2.439	50	Pass
Pentane	ND	3.380	14.634	5000	Pass
Ethanol	17.004	1.419	14.634	5000	Pass
Ethyl Ether	ND	3.195	14.634	5000	Pass
Acetone	ND	2.941	14.634	5000	Pass
Petroleum Ether	ND	0.353	1.179	400	Pass
Isopropyl Alcohol	ND	1.275	14.634	5000	Pass
Methylene Chloride	ND	0.631	14.634	600	Pass
Hexane	ND	0.353	14.634	290	Pass
Ethyl Acetate	ND	1.960	14.634	5000	Pass
Heptane	ND	2.439	14.634	5000	Pass
Trichloroethene	ND	0.067	14.634	80	Pass
Toluene	ND	0.466	14.634	890	Pass
Total Xylenes	ND	1.482	14.634	2070	Pass

Microbial Impurities (Quantitative)

 **PASS**
Date Analyzed: 05/31/2023
Instrument: 3M Petrifilm

Date Completed: 06/02/2023
Lab Tech: Malcolm Manning

Microbials (Quantitative)	Result (CFU/g)	Limit (CFU/g)	Status
Total Coliform Count	ND	100	Pass
Total BTGN Count	ND	100	Pass
Total Aerobic Content Count	ND	10000	Pass
Total Yeast and Mold Count	ND	1000	Pass

TNTC = Too numerous to count.

Microbial Impurities (Qualitative)

 **PASS**
Date Analyzed: 05/31/2023
Instrument: 3M Petrifilm

Date Completed: 06/02/2023
Lab Tech: Malcolm Manning

Microbials (Qualitative)	Result	Limit	Status
STEC	Not Detected	Detected	Pass
Salmonella Spp.	Not Detected	Detected	Pass

TNTC = Too numerous to count.

Foreign Matter

 **PASS**

Date Analyzed: 06/01/2023
Instrument: Visual Inspection

Date Completed: 06/01/2023
Lab Tech: Landen Nickel

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

--- END OF REPORT ---