



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

Potency

 **TESTED**

Date Analyzed: 05/31/2023 **Date Completed:** 06/01/2023 **Moisture Content (%):** None
Instrument: Agilent 1260 HPLC **Lab Tech:** Margarita Gomez **Unit Size (oz):** 7.50

Result (mg/Result (mg/Result (mg/LODLOQRelative

Cannabinoid

(%) (g) Unit Package (%) (%) 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

0.006 0.057 12.596 12.596

Cannabinoids

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			0.022	Δ-3-Carene	<LOQ		
α-Humulene <LOQ		0.004	0.022	D-Limonene	ND	0.004	0.022
α-Pinene ND		0.004	0.022	Eucalyptol	<LOQ	0.004	0.031
α-Terpinene <LOQ		0.004	0.022	Geraniol	ND	0.004	0.022
β-Caryophyllene ND		0.004	0.022	Guaiol	ND	0.004	0.031
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		0.004	0.006	trans-Nerolidol	ND	0.004	0.022
cis-Nerolidol ND		0.001	0.009	γ-Terpinene	<LOQ	0.003	0.013
		0.002		Total Terpene Content	ND	0.004	0.022

Pesticides

 **PASS**

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

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

Result LOD Pesticide (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	20	Pass
Carbaryl ND 5.000	5.000	50	Pass
Carbofuran ND 0.500	1.000	20	Pass
Chlorantraniliprole ND 10.000	20.000	100	Pass
Chloromequat ND 20.000	40.000	20	Pass
Chloride	5.000	40	Pass
Chlorpyrifos ND 5.000	10.000	10	Pass
Chlofentezine ND 5.000	5.000	10	Pass
Coumaphos ND 5.000	1.000	150	Pass
Diazinon ND 0.500	5.000	50	Pass
Dimethomorph I ND 5.000	5.000	50	Pass
Dimethomorph II ND 5.000	5.000	50	Pass
Ethoprophos ND 1.000	1.000	20	Pass
Etofenprox ND 1.000	1.000	10	Pass
Etiozazole ND 0.500	10.000	10	Pass
Fenhexamid ND 5.000	1.000	20	Pass
Fenpyroximate ND 0.500	5.000	15	Pass
Fipronil ND 5.000	5.000	10	Pass

Result LOD Pesticide (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	1.000	10	Pass
Metalaxyl ND 0.500	5.000	20	Pass
Oxamyl I ND 1.000	5.000	50	Pass
Phosmet ND 5.000	10.000	40	Pass
Prallethrin NR 5.000	000	1000	Pass
Pyridaben ND 0.500	1.000	10	Pass
Pyridaben ND 0.500	1.000	40	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
Spirothrin ND 0.500	1.000	50	Pass
Spirothrin I ND 0.500	1.000	50	Pass
Spirothrin I ND 0.500	5.000	50	Pass
Tebuconazole ND 5.000	1.000	20	Pass
Thiacloprid ND 0.500	5.000	20	Pass
Thiamethoxam ND 1.000	1.000	10	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	4.897	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

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		14.634	5000	Pass
Butane	ND	7.317	14.634	5000	Pass
Methanol	ND	9.543	14.634	3000	Pass
Ethylene Oxide	ND	7.830	2.439	50	Pass
Pentane	ND	0.107	14.634	5000	Pass
Ethanol	17.004	3.380	14.634	5000	Pass
Ethyl Ether	ND	1.419	14.634	5000	Pass
Acetone	ND	3.195	14.634	5000	Pass
Petroleum Ether	ND	2.941	1.179	400	Pass
Isopropyl Alcohol	ND	0.353	14.634	5000	Pass
Methylene Chloride	ND	1.275	14.634	600	Pass
Hexane	ND	0.631	14.634	290	Pass
Ethyl Acetate	ND	0.353	14.634	5000	Pass
Heptane	ND	1.960	14.634	5000	Pass
Trichloroethene	ND	2.439	14.634	80	Pass
Toluene	ND	0.067	14.634	890	Pass
Total Xylenes	ND	0.466	14.634	2070	Pass
		1.482			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**Cinders
Dirt
Insect Fragments
Mold
Other**Result (% w/w)**ND
ND
ND
ND
ND

--- END OF REPORT ---