



Certificate of Analysis

Report Published: 03/10/2023

Client Name: Reddi Beverage Company
LLC**Address:** 1229 N North Branch Chicago,
IL. 60607**Phone:** (630) 407-4875**Certificate Number:** 7702**License Number:** N/A**Sample Description:** Flora Blueberry "Moscow Mule"**Batch ID:** 02232023 **Lot ID:** None**Sample ID:** 09-2303-75 **Sampling Method:** SOP-SMPL-003**Sample Type:** Beverage (Low) **Sampling Date:** 03/03/2023

Results Summary

Potency

✓ TESTED

Date Analyzed: 03/06/2023**Method Used:**
SOP-CANN-001

Terpenes

✓ TESTED

Date Analyzed: 03/06/2023**Method Used:**
SOP_TERP_001

Pesticides

✓ PASS

Date Analyzed: 03/06/2023**Method Used:**
SOP_PEST_001

Mycotoxins

✓ PASS

Date Analyzed: 03/06/2023**Method Used:**
SOP_MYCO_001

Heavy Metals

✓ PASS

Date Analyzed: 03/06/2023**Method Used:**
SOP_HM_001

Residual Solvents

✓ PASS

Date Analyzed: 03/06/2023**Method Used:**
SOP_RS_001

Microbial Impurities

✓ PASS

Date Analyzed: 03/06/2023**Method Used:**
SOP_MICRO_001

Foreign Matter

✓ PASS

Date Analyzed: 03/06/2023**Method Used:**
SOP_FM_001

Potency

 **TESTED**

Date Analyzed: 03/06/2023 **Date Completed:** 03/07/2023 **Moisture Content (%):** None
Instrument: Agilent 1260 HPLC **Lab Tech:** Margarita Gomez **Unit Size (oz):** 8

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 8.496 8.496 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 0.017 3.914 3.914 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 0.017 3.914 3.914	
Total CBD 0.004 0.036 8.496 8.496	
Total	
0.005 0.052 12.411 12.411	

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: 03/06/2023
Instrument: Agilent 8890/5973 GCMS

Date Completed: 03/07/2023
Lab Tech: Malcolm Manning

Moisture Content (%): None

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

Pesticides

 **PASS**

Date Analyzed: 03/06/2023
Instrument: Agilent Ultivo LC-MS/MS

Date Completed: 03/07/2023
Lab Tech: Malcolm Manning

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	10	Pass
Bifenazate ND 0.500	1.000	20	Pass
Bifenthrin NR 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	40.000	20	Pass
Chloride ND 20.000	5.000	40	Pass
Chlorpyrifos NR 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 NR 1.000	1.000	10	Pass
Etiozazole ND 0.500	10.000	10	Pass
Fenhexamid ND 5.000	1.000	20	Pass
Fenpyroximate NR 0.500	5.000	15	Pass
Fipronil ND 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 ND 5.000	1.000	10	Pass
Methyl	5.000	20	Pass
Metalaxyl ND 0.500	5.000	50	Pass
Oxamyl I NR 1.000	10.	40	Pass
Phosmet ND 5.000	000	1000	Pass
Prallethrin ND 5.000	1.000	10	Pass
Pyridaben NR 0.500	1.000	40	Pass
Spinetoram J ND 0.500	1.000	40	Pass
Spinetoram L ND 0.500	5.000	10	Pass
Spinosyn A ND 5.000	5.000	10	Pass
Spinosyn D ND 5.000	1.000	10	Pass
Spiromesifen ND 0.500	5.000	10	Pass
Spirotetramat ND 5.000	1.000	50	Pass
Spiroxamine I ND 0.500	1.000	50	Pass
Spiroxamine 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			Pass

Mycotoxins

 **PASS**

Date Analyzed: 03/06/2023
Instrument: Agilent Ultivo LC-MS/MS

Date Completed: 03/07/2023
Lab Tech: Malcolm Manning

Mycotoxins Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Aflatoxin B1 ND	9.699	20		Pass
Aflatoxin B2 ND	4.849	9.699	20	Pass
Aflatoxin G1 ND	4.849	9.699	20	Pass
Aflatoxin G2 ND	4.849	9.699	20	Pass
Ochratoxin A ND	4.849	9.699	20	Pass
	9.699			Pass

Heavy Metals

 **PASS**

Date Analyzed: 03/06/2023
Instrument: Agilent 7800 ICP-MS

Date Completed: 03/07/2023
Lab Tech: Margarita Gomez

Heavy Metals Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Lead ND	89.095	1000		Pass
Arsenic ND	1.782	89.095	1500	Pass
Cadmium ND	1.782	89.095	500	Pass
Mercury ND	1.782	8.909	3000	Pass
Chromium ND	1.782	89.095	2000	Pass
	1.782			Pass

Test results apply to samples within this Certificate of Analysis only.
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 Uncertainty is not taken into account for pass/fail determinations.




 Nicholas Williams, Ph.D. - Lab Director 03/10/2023

Residual Solvents

 **PASS**
Date Analyzed: 03/06/2023

Instrument: GC-FID

Date Completed: 03/07/2023

Lab Tech: Malcolm Manning

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm) Limit (ppm)	Status
Propane	ND		55.865 5000	s
Butane	ND	16.760	32.252 5000	Pass
Methanol	ND	9.676	26.462 3000	Pass
Ethylene Oxide	ND	7.939	0.364 50	Pass
Pentane	ND	0.109	11.422 5000	Pass
Ethanol	60.461	3.427	4.795 5000	Pass
Ethyl Ether	ND	1.438	10.797 5000	Pass
Acetone	ND	3.239	10.797 5000	Pass
Petroleum Ether	ND	2.982	1.195 400	Pass
Isopropyl Alcohol	ND	0.358	9.942 5000	Pass
Methylene Chloride	ND	1.293	2.135 600	Pass
Hexane	ND	0.640	1.195 290	Pass
Ethyl Acetate	ND	0.358	6.625 5000	Pass
Heptane	ND	1.987	34.619 5000	Pass
Trichloroethene	ND	2.473	0.227 80	Pass
Toluene	ND	0.068	1.577 890	Pass
Total Xylenes	ND	0.473	5.008 2070	Pass
		1.502		Pass

Microbial Impurities (Quantitative)

 **PASS**
Date Analyzed: 03/06/2023

Instrument: 3M Petrifilm

Date Completed: 03/09/2023

Lab Tech: Malcolm Manning

Microbials (Quantitative)	Result (CFU/g)	Limit (CFU/g)	Status
Total Coliform Count	ND	100	s
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.			
			Pass

Microbial Impurities (Qualitative)

 **PASS**
Date Analyzed: 03/06/2023

Instrument: 3M Petrifilm

Date Completed: 03/09/2023

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:** 03/06/2023
Instrument: Visual Inspection**Date Completed:** 03/06/2023
Lab Tech: Malcolm Manning**Foreign Materials****Result (% w/w)**

Cinders	ND
Dirt	ND
Insect Fragments	ND
Mold	ND
Other	ND

--- END OF REPORT ---