



# 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  
**Instrument:** Agilent 1260 HPLC

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

**Moisture Content (%):** None  
**Unit Size (oz):** 8

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	8.496	8.496	5e-05	0.0001	<div style="width: 100%; height: 10px; background-color: green;"></div>
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	<div style="width: 100%; height: 10px; background-color: green;"></div>
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	
<b>Total THC</b>	<b>0.002</b>	<b>0.017</b>	<b>3.914</b>	<b>3.914</b>			
<b>Total CBD</b>	<b>0.004</b>	<b>0.036</b>	<b>8.496</b>	<b>8.496</b>			
<b>Total Cannabinoids</b>	<b>0.005</b>	<b>0.052</b>	<b>12.411</b>	<b>12.411</b>			

**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	0.005	0.023	Δ-3-Carene	ND	0.005	0.023
α-Humulene	<LOQ	0.005	0.023	D-Limonene	<LOQ	0.005	0.032
α-Pinene	ND	0.005	0.023	Eucalyptol	<LOQ	0.005	0.023
α-Terpinene	<LOQ	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	<LOQ	0.005	0.023
Caryophyllene Oxide	ND	0.005	0.023	Terpinolene	<LOQ	0.005	0.023
cis-β-Ocimene	<LOQ	0.001	0.006	trans-Nerolidol	<LOQ	0.003	0.014
cis-Nerolidol	ND	0.002	0.009	γ-Terpinene	<LOQ	0.005	0.023
<b>Total Terpene Content</b>	<b>ND</b>						

## Pesticides

✓ PASS

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

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

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	ND	0.500	1.000	20	Pass
Bifenthrin	NR	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	NR	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	NR	1.000	1.000	10	Pass
Etoxazole	ND	0.500	1.000	10	Pass
Fenhexamid	ND	5.000	10.000	20	Pass
Fenpyroximate	NR	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	NR	1.000	5.000	50	Pass
Phosmet	ND	5.000	5.000	40	Pass
Prallethrin	ND	5.000	10.000	1000	Pass
Pyridaben	NR	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:** 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	4.849	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	9.699	9.699	20	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	1.782	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

Test results apply to samples within this Certificate of Analysis only. Certificate of Analysis shall not be reproduced except in full without approval of the laboratory. Origo Labs uses simple acceptance for all pass/fail results. Uncertainty is not taken into account for pass/fail determinations.



*Nicholas Williams*  
 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	16.760	55.865	5000	Pass
Butane	ND	9.676	32.252	5000	Pass
Methanol	ND	7.939	26.462	3000	Pass
Ethylene Oxide	ND	0.109	0.364	50	Pass
Pentane	ND	3.427	11.422	5000	Pass
Ethanol	60.461	1.438	4.795	5000	Pass
Ethyl Ether	ND	3.239	10.797	5000	Pass
Acetone	ND	2.982	10.797	5000	Pass
Petroleum Ether	ND	0.358	1.195	400	Pass
Isopropyl Alcohol	ND	1.293	9.942	5000	Pass
Methylene Chloride	ND	0.640	2.135	600	Pass
Hexane	ND	0.358	1.195	290	Pass
Ethyl Acetate	ND	1.987	6.625	5000	Pass
Heptane	ND	2.473	34.619	5000	Pass
Trichloroethene	ND	0.068	0.227	80	Pass
Toluene	ND	0.473	1.577	890	Pass
Total Xylenes	ND	1.502	5.008	2070	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	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:** 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 ---