

# Product Development (R&D)

Report Published: 07/12/2022

**Client Name:** Reddi Beverage Company  
LLC

**Address:** 1229 N North Branch Chicago,  
IL. 60607

**Phone:** (630) 407-4875

**Certificate Number:** 5100

**License Number:** N/A

**Sample Description:** Flora Essence

**Batch ID:** None

**Sample ID:** 27-2207-01

**Sampling Method:** SOP-SMPL-003

**Sample Type:** Infused Product

**Sampling Date:** 07/05/2022



## Results Summary

### Potency

✓ TESTED

Date Analyzed: 07/08/2022

Method Used:  
SOP\_CANN\_001

### Heavy Metals

✓ PASS

Date Analyzed: 07/08/2022

Method Used:  
SOP\_HM\_001

### Residual Solvents

✓ PASS

Date Analyzed: 07/06/2022

Method Used:  
SOP\_RS\_001

### Microbial Impurities

✓ PASS

Date Analyzed: 07/06/2022

Method Used:  
SOP\_MICRO\_001

## Potency

 **TESTED**
**Date Analyzed:** 07/08/2022  
**Instrument:** Agilent 1260 HPLC

**Date Completed:** 07/11/2022  
**Lab Tech:** Landen Nickel

**Moisture Content (%):** 0  
**Unit Size (g):** 60

Cannabinoid	Result (%)	Result (mg/g)	Result (mg/unit)	Result (mg/package)	LOD (%)	LOQ (%)	Relative Abundance
CBDVA	ND	ND	ND	ND	0.0005	0.0010	
CBDV	ND	ND	ND	ND	0.0005	0.0010	
CBDA	ND	ND	ND	ND	0.0005	0.0010	
CBD	0.044	0.435	26.106	326.320	0.0005	0.0010	
THCVA	ND	ND	ND	ND	0.0005	0.0010	
THCV	ND	ND	ND	ND	0.0005	0.0010	
THCA	ND	ND	ND	ND	0.0005	0.0010	
Δ9 THC	ND	ND	ND	ND	0.0005	0.0010	
Δ8 THC	ND	ND	ND	ND	0.0005	0.0010	
CBN	ND	ND	ND	ND	0.0005	0.0010	
CBCA	ND	ND	ND	ND	0.0005	0.0010	
CBC	ND	ND	ND	ND	0.0005	0.0010	
CBGA	ND	ND	ND	ND	0.0005	0.0010	
CBG	ND	ND	ND	ND	0.0005	0.0010	
<b>Total THC</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>	<b>ND</b>			
<b>Total CBD</b>	<b>0.044</b>	<b>0.435</b>	<b>26.106</b>	<b>326.320</b>			
<b>Total Cannabinoids</b>	<b>0.044</b>	<b>0.435</b>	<b>26.106</b>	<b>326.320</b>			

**Total THC %** = (THC% + (THCA% x 0.877)) / (1 - (THCA% + CBDA% + CBGA%) x 0.123)

**Total CBD %** = (CBD% + (CBDA% x 0.877)) / (1 - (THCA% + CBDA% + CBGA%) x 0.123)

**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.

## Heavy Metals

 **PASS**
**Date Analyzed:** 07/08/2022  
**Instrument:** Agilent 7800 ICP-MS

**Date Completed:** 07/11/2022  
**Lab Tech:** Malcolm Manning

Heavy Metals	Result (ppb)	LOD (ppb)	LOQ (ppb)	Limit (ppb)	Status
Lead	ND	0.7010	83.5000	1000	Pass
Arsenic	ND	2.2540	83.5000	1500	Pass
Cadmium	ND	1.1250	83.5000	500	Pass
Mercury	ND	4.1080	8.3500	3000	Pass
Chromium	ND	6.1460	83.5000	2000	Pass

## Residual Solvents

 **PASS**
**Date Analyzed:** 07/06/2022  
**Instrument:** GC-MS

**Date Completed:** 07/06/2022  
**Lab Tech:** Landen Nickel

Residual Solvent	Result (ppm)	LOD (ppm)	LOQ (ppm)	Limit (ppm)	Status
Propane	ND	123.6790	412.2630	5000	Pass
Butane	ND	71.4015	238.0070	5000	Pass
Methanol	ND	58.5839	195.2770	3000	Pass
Ethylene Oxide	ND	0.8029	2.6861	50	Pass
Pentane	ND	25.2920	84.2920	5000	Pass
Ethanol	ND	10.6131	35.3869	5000	Pass
Ethyl Ether	ND	23.9051	79.6788	5000	Pass
Acetone	ND	22.0073	79.6788	5000	Pass
Petroleum Ether	ND	2.6423	8.8175	400	Pass
Isopropyl Alcohol	ND	9.5402	73.3650	5000	Pass
Methylene Chloride	ND	4.7226	15.7518	600	Pass
Hexane	ND	2.6423	8.8175	290	Pass
Ethyl Acetate	ND	14.6642	48.8905	5000	Pass
Heptane	ND	18.2482	255.4740	5000	Pass
Trichloroethene	ND	0.5037	1.6715	80	Pass
Toluene	ND	3.4891	11.6350	890	Pass
Total Xylenes	ND	11.0876	36.9562	2070	Pass

## Microbial Impurities (Quantitative)

 **PASS**
**Date Analyzed:** 07/06/2022  
**Instrument:** 3M Petrifilm

**Date Completed:** 07/11/2022  
**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:** 07/06/2022  
**Instrument:** 3M Petrifilm

**Date Completed:** 07/11/2022  
**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.

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