

# CERTIFICATE OF ANALYSIS

**SAMPLE NAME:** BREZ FLOW BBFL009  
**SAMPLE CODE:** HEM-250308-005  
**CLIENT:** DRINK BREZ LLC  
**BATCH RESULT:** PASS

**MATRIX NAME:** Beverage  
**SAMPLE TYPE:** Compliance  
**RECEIVED DATE:** Mon, Mar 10, 2025  
**PUBLISHED DATE:** Mon, Mar 24, 2025  
**BATCH/LOT CODE:** BBFL009  
**BATCH SIZE:** N/A  
**SAMPLE SIZE:** 4U  
**AVERAGE UNIT WEIGHT:** 361.15g

**TOTAL TERPENES** 0.006 %

**CAFFEINE** ND



**BETAG** ✓  
Alpha & Beta Glucans

**TRP** ✓  
Terpenes

**SOL** ✓  
Residual Solvents  
USP <467>

**ECOLI** ✓  
Total E. Coli & Coliforms  
Plate

**FOR** ✓  
Foreign Matter & Filth

**AFLA** ✓  
Aflatoxins  
USP <561>

**PGUSP** ✓  
Pesticides  
USP <561>m

**PLUSP** ✓  
Pesticides  
USP <561>m

**TAMC** ✓  
Total Aerobic Bacteria  
Plate

**SS** ✓  
Salmonella & STEC  
qPCR

**BRX** ✓  
Brix of Liquids

**DEN** ✓  
Density of Liquids

**COOX** ✓  
Carbon Dioxide & Dissolved  
Oxygen of Liquids

**PH** ✓  
pH

**LMON** ✓  
Listeria monocytogenes  
qPCR

**CAFFE** ✓  
Caffeine

**TYMF** ✓  
Total Yeast & Mold  
Plate

**HPMET** ✓  
Heavy Metals  
7

**MW001** ✓  
Fat  
Total (acid hydrolysis)

**MW003** ✓  
Sugar Profile

## APPROVALS

### RESULTS REVIEWED BY:



**Leslie Varela**  
Laboratory Director

Cambium Analytica  
Monday, Mar 24, 2025

### RESULTS CERTIFIED BY:



**Douglas Smith**  
VP - Scientific Operations

Cambium Analytica  
Monday, Mar 24, 2025

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BETAG

**ALPHA & BETA GLUCANS**LAB-TM-082 - ENZYMATIC DETERMINATION OF ALPHA & BETA GLUCANS IN FUNGI  
BETAG-HEM-250308-005-01 - WED, MAR 12, 2025

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Alpha Glucan (Starch, Glycogen, Sucrose, and Trehalose)	1.223 %	12.228 mg/g	4416.14 mg	4416.14 mg	N/A	0.01 %	0.01 %	N/A
Beta Glucan (1,3:1,6-Beta-Glucan, 1,3-Beta-D-Glucan, and 1,3:1,4-Beta-D-Glucan)	6.469 %	64.686 mg/g	23361.35 mg	23361.35 mg	N/A	0.01 %	0.01 %	N/A



TRP

## TERPENES

LAB-TM-012 - DETERMINATION OF TERPENES BY GC-MS  
TRP-HEM-250308-005-01 - WED, MAR 12, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Alpha Terpineol	0.002 %	N/A	0.5 ug/g	1 ug/g	N/A
Limonene	0.002 %	N/A	0.5 ug/g	1 ug/g	N/A
Geranyl Acetate	0.001 %	N/A	0.5 ug/g	1 ug/g	N/A
Linalool	0.001 %	N/A	0.5 ug/g	1 ug/g	N/A
1,R-Endo-Fenchyl Alcohol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Alpha Bisabolol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Alpha Cedrene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Alpha Humulene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Alpha Phellandrene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Alpha Pinene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Alpha Terpinene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Beta Myrcene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Beta Pinene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Borneol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Camphene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Camphor	ND	N/A	0.5 ug/g	1 ug/g	N/A
Caryophyllene Oxide	ND	N/A	0.5 ug/g	1 ug/g	N/A
Cedrol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Cis Beta Ocimene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Cis Nerolidol	ND	N/A	0.5 ug/g	1 ug/g	N/A
DL-Menthol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Delta-3 Carene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Eucalyptol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Fenchone	ND	N/A	0.5 ug/g	1 ug/g	N/A
Gamma Terpinene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Geraniol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Guaiol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Isoborneol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Isopulegol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Nerol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Pulegone	ND	N/A	0.5 ug/g	1 ug/g	N/A
Sabinene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Sabinene Hydrate	ND	N/A	0.5 ug/g	1 ug/g	N/A
Terpinolene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Trans Beta Ocimene	ND	N/A	0.5 ug/g	1 ug/g	N/A



TRP

## TERPENES

LAB-TM-012 - DETERMINATION OF TERPENES BY GC-MS  
TRP-HEM-250308-005-01 - WED, MAR 12, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Trans Caryophyllene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Trans Nerolidol	ND	N/A	0.5 ug/g	1 ug/g	N/A
Valencene	ND	N/A	0.5 ug/g	1 ug/g	N/A
Total Terpenes	0.006 %	N/A	0.5 ug/g	1 ug/g	N/A



SOL

## RESIDUAL SOLVENTS - USP &lt;467&gt;

LAB-TM-004 - DETERMINATION OF RESIDUAL SOLVENTS  
SOL-HEM-250308-005-01 - THU, MAR 13, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
1,2-Dichloroethane	ND	1.0 ug/g	0.4 ug/g	1.00 ug/g	PASS
2-Methylbutane	ND	N/A	1.54 ug/g	5.14 ug/g	N/A
2-Methylpentane	ND	N/A	0.046 ug/g	0.154 ug/g	N/A
2,2-Dimethylbutane	ND	N/A	0.98 ug/g	3.27 ug/g	N/A
2,3-Dimethylbutane	ND	N/A	2.19 ug/g	7.32 ug/g	N/A
3-Methylpentane	ND	N/A	0.73 ug/g	2.44 ug/g	N/A
Acetone	ND	5000.0 ug/g	1.57 ug/g	5.23 ug/g	PASS
Acetonitrile	ND	410.0 ug/g	1.85 ug/g	6.17 ug/g	PASS
Benzene	ND	1.0 ug/g	0.18 ug/g	0.50 ug/g	PASS
Butane	ND	5000.0 ug/g	1.68 ug/g	5.59 ug/g	PASS
Chloroform	ND	1.0 ug/g	0.78 ug/g	1.00 ug/g	PASS
Ethanol	2987.465 ug/g	5000.0 ug/g	6.02 ug/g	20.1 ug/g	PASS
Ethyl Acetate	ND	5000.0 ug/g	1.95 ug/g	6.49 ug/g	PASS
Ethyl Ether	ND	5000.0 ug/g	1.37 ug/g	4.55 ug/g	PASS
Ethylene Oxide	ND	1.0 ug/g	0.15 ug/g	0.49 ug/g	PASS
Heptane	ND	5000.0 ug/g	1.31 ug/g	4.37 ug/g	PASS
Hexane	ND	290.0 ug/g	1.42 ug/g	4.74 ug/g	PASS
Isobutane	ND	N/A	1.6 ug/g	5.34 ug/g	N/A
Isopropyl Alcohol	ND	5000.0 ug/g	4.9 ug/g	16.3 ug/g	PASS
Methanol	ND	3000.0 ug/g	7.89 ug/g	26.4 ug/g	PASS
Methylene Chloride	ND	1.0 ug/g	1.36 ug/g	4.53 ug/g	PASS
Neopentane	ND	N/A	1.49 ug/g	4.97 ug/g	N/A
Pentane	ND	5000.0 ug/g	1.46 ug/g	4.87 ug/g	PASS
Propane	ND	5000.0 ug/g	1.95 ug/g	6.51 ug/g	PASS
Toluene	ND	890.0 ug/g	1.88 ug/g	6.26 ug/g	PASS
Total Xylenes	ND	2170.0 ug/g	2.02 ug/g	6.72 ug/g	PASS
Trichloroethylene	ND	1.0 ug/g	0.29 ug/g	0.96 ug/g	PASS
Butanes (Sum of Butane and Isobutane)	0.000 ug/g	N/A	N/A	N/A	N/A
Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane)	0.000 ug/g	N/A	N/A	N/A	N/A
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	0.000 ug/g	N/A	N/A	N/A	N/A



**ECOLI** **TOTAL E. COLI & COLIFORMS - PLATE**  
 LAB-TM-059 - ENUMERATION OF ESCHERICHIA COLI AND TOTAL COLIFORM IN FOODS AND DIETARY SUPPLEMENTS  
 ECOLI-HEM-250308-005-01 - WED, MAR 12, 2025



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
E. coli	ND	Detection	10 CFU/g	10 CFU/g	PASS
Total Coliforms	ND	Detection	10 CFU/g	10 CFU/g	PASS

**FOR** **FOREIGN MATTER & FILTH**  
 LAB-TM-007 - FOREIGN MATTER AND FILTH ANALYSIS  
 FOR-HEM-250308-005-01 - WED, MAR 12, 2025



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Inorganic Matter	0 %	N/A	N/A	N/A	N/A
Organic Matter	0 %	N/A	N/A	N/A	N/A
Stems	0 %	N/A	N/A	N/A	N/A
Total Foreign Matter	0 %	N/A	N/A	N/A	N/A

**AFLA** **AFLATOXINS - USP <561>**  
 LAB-TM-043 - USP 561 AFLATOXINS ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY LC-TQ  
 AFLA-HEM-250308-005-01 - THU, MAR 13, 2025



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Aflatoxin B1	ND	N/A	0.001 ug/g	0.002 ug/g	N/A
Aflatoxin B2	ND	N/A	0.001 ug/g	0.002 ug/g	N/A
Aflatoxin G1	ND	N/A	0.001 ug/g	0.002 ug/g	N/A
Aflatoxin G2	ND	N/A	0.001 ug/g	0.002 ug/g	N/A
Ochratoxin A	ND	Detection	0.001 ug/g	0.002 ug/g	PASS
Aflatoxins (Sum of B1, B2, G1, and G2)	0.000 ug/g	Detection	N/A	N/A	PASS



PGUSP

## PESTICIDES - USP &lt;561&gt;M - GC/TQ

LAB-TM-039 - USP 561 PESTICIDES ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY GC/TQ  
PGUSP-HEM-250308-005-01 - FRI, MAR 14, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Aldrin + Dieldrin	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Bromophos Ethyl	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Bromophos Methyl	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Bromopropylate	ND	3.00 ug/g	6 ng/g	12 ng/g	PASS
Chlordane (Sum of -Cis, -Trans, Oxychlordane)	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Chlorthal-Dimethyl	ND	0.01 ug/g	0.02 ng/g	0.04 ng/g	PASS
DDT (Sum of O,P-DDE, P,P-DDE, O,P-DDT, P,P-DDT, O,P-TDE, and P,P-TDE)	ND	1.00 ug/g	2 ng/g	4 ng/g	PASS
Dicofol	ND	0.50 ug/g	1 ng/g	2 ng/g	PASS
Endosulfan (Sum of Isomers and Sulphate)	ND	3.00 ug/g	6 ng/g	12 ng/g	PASS
Endrin	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Fenchlorophos (Sum of Fenchlorophos and Fenchlorophos-Oxon)	ND	0.10 ug/g	0.2 ng/g	0.4 ng/g	PASS
Fenitrothion	ND	0.50 ug/g	1 ng/g	2 ng/g	PASS
Fenvalerate	ND	1.50 ug/g	3 ng/g	6 ng/g	PASS
Fluvalinate-Tau	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Heptachlor (Sum of Heptachlor, Cis-Heptachlorepoide, and Trans-Heptachlorepoide)	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Hexachlorobenzene	ND	0.10 ug/g	0.2 ng/g	0.4 ng/g	PASS
Hexachlorocyclohexane (Sum of Isomers Alpha-, Beta-, Delta-, and Epsilon-)	ND	0.30 ug/g	0.6 ng/g	1.2 ng/g	PASS
Lindane (Gamma-Hexachlorocyclohexane)	ND	0.60 ug/g	1.2 ng/g	2.4 ng/g	PASS
Methacriphos	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Methoxychlor	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Mirex	ND	0.01 ug/g	0.02 ng/g	0.04 ng/g	PASS
Parathion Ethyl + Paraoxon Ethyl	ND	0.50 ug/g	1 ng/g	2 ng/g	PASS
Pentachloroanisole	ND	0.01 ug/g	0.02 ng/g	0.04 ng/g	PASS
Procymidone	ND	0.10 ug/g	0.2 ng/g	0.4 ng/g	PASS
Quintozene (Sum of Quintozene, Pentachloroaniline, and Methyl-Pentachlorophenyl Sulfide)	ND	1.00 ug/g	2 ng/g	4 ng/g	PASS

Modified Test Method does not include the following analytes:

Bromide, inorganic (calculated as bromide ion)

Chlorpyrifos-methyl

Dichlofluanid

Dithiocarbamates (as CS<sub>2</sub>)

Parathion-methyl and Paraoxon-methyl (sum of)



PGUSP

**PESTICIDES - USP <561>M - GC/TQ**LAB-TM-039 - USP 561 PESTICIDES ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY GC/TQ  
PGUSP-HEM-250308-005-01 - FRI, MAR 14, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
S-421	ND	0.02 ug/g	0.04 ng/g	0.08 ng/g	PASS
Tecnazene	ND	0.05 ug/g	0.1 ng/g	0.2 ng/g	PASS
Tetradifon	ND	0.30 ug/g	0.6 ng/g	1.2 ng/g	PASS
Vinclozolin	ND	0.40 ug/g	0.8 ng/g	1.6 ng/g	PASS

Modified Test Method does not include the following analytes:

Bromide, inorganic (calculated as bromide ion)

Chlorpyrifos-methyl

Dichlofluanid

Dithiocarbamates (as CS<sub>2</sub>)

Parathion-methyl and Paraoxon-methyl (sum of)



PLUSP

## PESTICIDES - USP &lt;561&gt;M - LC/TQ

LAB-TM-038 - USP 561 PESTICIDE ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY LC/TQ  
PLUSP-HEM-250308-005-01 - WED, MAR 12, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Acephate	ND	0.10 ug/g	12.5 ng/g	25 ng/g	PASS
Alachlor	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Azinphos Ethyl	ND	0.10 ug/g	12.5 ng/g	25 ng/g	PASS
Azinphos Methyl	ND	1.00 ug/g	12.5 ng/g	25 ng/g	PASS
Chlorfenvinphos	ND	0.50 ug/g	12.5 ng/g	25 ng/g	PASS
Chlorpyrifos Ethyl	ND	0.20 ug/g	12.5 ng/g	25 ng/g	PASS
Cyfluthrin	ND	0.10 ug/g	12.5 ng/g	25 ng/g	PASS
Cypermethrin	ND	1.00 ug/g	12.5 ng/g	25 ng/g	PASS
Deltamethrin	ND	0.50 ug/g	12.5 ng/g	25 ng/g	PASS
Diazinon	ND	0.50 ug/g	12.5 ng/g	25 ng/g	PASS
Dichlorvos	ND	1.00 ug/g	12.5 ng/g	25 ng/g	PASS
Dimethoate + Omethoate	ND	0.10 ug/g	12.5 ng/g	25 ng/g	PASS
Ethion	ND	2.00 ug/g	12.5 ng/g	25 ng/g	PASS
Etrimphos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Fenpropathrin	ND	0.03 ug/g	12.5 ng/g	25 ng/g	PASS
Fensulfothion (Sum of Fensulfothion, Fensulfothion-Oxon, Fensulfothion-Oxon-Sulfone, and Fensulfothion-Sulfone)	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Fenthion (Sum of Fenthion, Fenthion-Oxon, Fenthion-Oxon-Sulfone, Fenthion-Oxon-Sulfoxide, Fenthion-Sulfone, and Fenthion-Sulfoxide)	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Flucythrinate	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Fonophos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Lambda-Cyhalothrin	ND	1.00 ug/g	12.5 ng/g	25 ng/g	PASS
Malathion + Malaaxon	ND	1.00 ug/g	12.5 ng/g	25 ng/g	PASS
Mecarbam	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Methamidophos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Methidathion	ND	0.20 ug/g	12.5 ng/g	25 ng/g	PASS
Monocrotophos	ND	0.10 ug/g	12.5 ng/g	25 ng/g	PASS
Pendimethalin	ND	0.10 ug/g	12.5 ng/g	25 ng/g	PASS
Permethrins (Sum of Cis- and Trans-Permethrin)	ND	1.00 ug/g	12.5 ng/g	25 ng/g	PASS
Phosalone	ND	0.10 ug/g	12.5 ng/g	25 ng/g	PASS
Phosmet	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS

Modified Test Method does not include the following analytes:

Bromide, inorganic (calculated as bromide ion)

Chlorpyrifos-methyl

Dichlofluanid

Dithiocarbamates (as CS<sub>2</sub>)

Parathion-methyl and Paraoxon-methyl (sum of)



PLUSP

## PESTICIDES - USP &lt;561&gt;M - LC/TQ

LAB-TM-038 - USP 561 PESTICIDE ANALYSIS IN ARTICLES OF BOTANICAL ORIGIN BY LC/TQ  
PLUSP-HEM-250308-005-01 - WED, MAR 12, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Piperonyl Butoxide	ND	3.00 ug/g	12.5 ng/g	25 ng/g	PASS
Pirimiphos Ethyl	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Pirimiphos Methyl (Sum of Pirimiphos-Methyl and n- Desethyl-Pirimiphos-Methyl)	ND	4.00 ug/g	12.5 ng/g	25 ng/g	PASS
Profenophos	ND	0.10 ug/g	12.5 ng/g	25 ng/g	PASS
Prothiophos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS
Pyrethrins (Sum of Cinerin 1, Jasmolin 1, and Pyrethrin 1)	ND	3.00 ug/g	12.5 ng/g	25 ng/g	PASS
Quinalphos	ND	0.05 ug/g	12.5 ng/g	25 ng/g	PASS

Modified Test Method does not include the following analytes:

Bromide, inorganic (calculated as bromide ion)

Chlorpyrifos-methyl

Dichlofluanid

Dithiocarbamates (as CS<sub>2</sub>)

Parathion-methyl and Paraoxon-methyl (sum of)



**TAMC** **TOTAL AEROBIC BACTERIA - PLATE**  
 LAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS  
 TAMC-HEM-250308-005-01 - WED, MAR 12, 2025



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	ND	Detection	100 CFU/g	100 CFU/g	PASS

**SS** **SALMONELLA & STEC- QPCR**  
 LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR  
 SS-HEM-250308-005-01 - WED, MAR 12, 2025



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	N/A	N/A	N/A	N/A
Shiga Toxin Producing E. coli	ND	N/A	N/A	N/A	N/A

**BRX** **BRIX OF LIQUIDS**  
 LAB-TM-017 - BRIX & DENSITY ANALYSIS  
 BRX-HEM-250308-005-01 - THU, MAR 13, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Brix	3.7 bx	N/A	N/A	N/A	N/A

**DEN** **DENSITY OF LIQUIDS**  
 LAB-TM-017 - BRIX & DENSITY ANALYSIS  
 DEN-HEM-250308-005-01 - THU, MAR 13, 2025



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Density	1.0142 g/mL	N/A	N/A	N/A	N/A

**COOX** **CARBON DIOXIDE & DISSOLVED OXYGEN OF LIQUIDS**  
 LAB-TM-020 - DETERMINATION OF CARBON DIOXIDE AND DISSOLVED OXYGEN IN BEVERAGES  
 COOX-HEM-250308-005-02 - MON, MAR 17, 2025



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Dissolved Carbon Dioxide	2.54 vol	N/A			N/A
Dissolved Oxygen	104.5 ug/kg	N/A			N/A

**PH** **PH**  
 LAB-TM-018 - DETERMINATION OF PH  
 PH-HEM-250308-005-01 - MON, MAR 17, 2025



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
pH	2.876	N/A			N/A

**LMON** **LISTERIA MONOCYTOGENES - QPCR - 25 G**  
 LAB-TM-064 - DETECTION AND ISOLATION OF L. MONOCYTOGENES IN FOODS AND DIETARY SUPPLEMENTS  
 LMON-HEM-250308-005-01 - WED, MAR 12, 2025



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Listeria monocytogenes	ND	Detection	1 CFU/g	N/A	PASS

**CAFFE** **CAFFEINE**  
 LAB-TM-076 - DETERMINATION OF CAFFEINE AND MELATONIN BY HPLC  
 CAFFE-HEM-250308-005-01 - WED, MAR 12, 2025



ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Caffeine	ND	N/A	N/A	N/A	N/A	0.494 ug/g	1.516 ug/g	N/A



**TYMFD**

**TOTAL YEAST & MOLD - PLATE**

LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS  
TYMFD-HEM-250308-005-01 - THU, MAR 13, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	ND	Detection	10 CFU/g	10 CFU/g	PASS

**HPMET**

**HEAVY METALS - 7**

LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS  
HPMET-HEM-250308-005-01 - WED, MAR 12, 2025



ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	ND	N/A	N/A	N/A	1.5 ug/g	0.198 ug/kg	0.662 ug/kg	PASS
Cadmium	ND	N/A	N/A	N/A	0.5 ug/g	0.082 ug/kg	0.272 ug/kg	PASS
Chromium	0.009 ug/g	0.000 mg/g	3.23 ug	3.23 ug	N/A	0.627 ug/kg	2.091 ug/kg	N/A
Copper	ND	N/A	N/A	N/A	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Lead	ND	N/A	N/A	N/A	0.5 ug/g	0.155 ug/kg	0.515 ug/kg	PASS
Mercury	0.001 ug/g	0.000 mg/g	0.25 ug	0.25 ug	3.0 ug/g	0.017 ug/kg	0.057 ug/kg	PASS
Nickel	0.006 ug/g	0.000 mg/g	2.22 ug	2.22 ug	N/A	0.321 ug/kg	1.071 ug/kg	N/A

**MW001**

**FAT - TOTAL (ACID HYDROLYSIS)**

FO 008 - FAT (ACID HYDROLYSIS) - CONTRACTED TO MIDWEST LABORATORIES LLC  
MW001-HEM-250308-005-01 - MON, MAR 24, 2025



ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Fat (acid hydrolysis)	0.500 %	5.000 mg/g	1805.75 mg	1805.75 mg	N/A	N/A	0.1 %	N/A

**MW003**

**SUGAR PROFILE**

HPLC 009 - SUGAR PROFILE - CONTRACTED TO MIDWEST LABORATORIES LLC  
MW003-HEM-250308-005-01 - MON, MAR 24, 2025



ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Maltose	< 0.8 %	N/A	N/A	N/A	N/A	N/A	0.8 %	N/A
Sucrose	< 0.8 %	N/A	N/A	N/A	N/A	N/A	0.8 %	N/A
Fructose	2.400 %	24.000 mg/g	8667.60 mg	8667.60 mg	N/A	N/A	0.8 %	N/A
Glucose	< 0.8 %	N/A	N/A	N/A	N/A	N/A	0.8 %	N/A
Lactose	< 0.8 %	N/A	N/A	N/A	N/A	N/A	0.8 %	N/A
Total Sugars	2.400 %	24.000 mg/g	8667.60 mg	8667.60 mg	N/A	N/A	N/A	N/A

