Certificate of Analysis

Customer Information

Client:	CWL Brands
Attention:	(208) 563-5192
Address:	11193 W Emerald St, STE 140
	Boise, ID 83713

Testing Facility

Lab:	Cora Science, LLC
Address	8000 Anderson Square, STE 113
	Austin, Texas 78757
Contact:	info@corascience.com
	(512) 856-5007

Sample Image(s)

Sample Information

Name:	High Life Berry Bliss
Lot Number:	HLBB 262301B1
Description:	Ready-to-drink beverage
Condition:	Good
Job ID:	ISO06093
Sample ID:	I16992
Received:	28JAN2026
Completed:	02FEB2026
Issued:	02FEB2026

Test Results

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 30JAN2026 | 0800**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.182	w/w%	0.000070	N/A
7-Hydroxymitragynine	Report Results	0.000388	w/w%	0.000070	N/A
Paynantheine	Report Results	0.0277	w/w%	0.000070	N/A
Speciogynine	Report Results	0.0224	w/w%	0.000070	N/A
Speciociliatine	Report Results	0.0448	w/w%	0.000070	N/A
Total Mitragyna Alkaloids	Report Results	0.277	w/w%	0.000070	N/A

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 30JAN2026 | 0800**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.86	mg/mL	0.00071	N/A
7-Hydroxymitragynine	Report Results	0.00397	mg/mL	0.00071	N/A
Paynantheine	Report Results	0.284	mg/mL	0.00071	N/A
Speciogynine	Report Results	0.229	mg/mL	0.00071	N/A
Speciociliatine	Report Results	0.458	mg/mL	0.00071	N/A
Total Mitragyna Alkaloids	Report Results	2.84	mg/mL	0.00071	N/A

Elemental Impurities (ICP-MS) **Method Code: T301** **Tested: 30JAN2026 | 1635**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.50	<LOQ	ug/g	0.006	PASS
Cadmium	NMT 0.50	<LOQ	ug/g	0.002	PASS
Mercury	NMT 0.20	<LOQ	ug/g	0.002	PASS
Lead	NMT 0.50	0.018	ug/g	0.002	PASS

Residual Solvents: Class I (GC-MS)

Method Code: T201 **Tested: 30JAN2026 | 0302**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
1,1-Dichloroethene	NMT 8	<LOQ	ug/g	0.40	PASS
1,1,1-Trichloroethane	NMT 1500	<LOQ	ug/g	75	PASS
Tetrachloromethane	NMT 4	<LOQ	ug/g	0.20	PASS
Benzene	NMT 2	<LOQ	ug/g	0.10	PASS
1,2-Dichloroethane	NMT 5	<LOQ	ug/g	0.25	PASS

Residual Solvents: Class II (GC-MS)

Method Code: T201 **Tested: 30JAN2026 | 0302**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Methanol	NMT 3000	<LOQ	ug/g	75	PASS
Acetonitrile	NMT 410	<LOQ	ug/g	41	PASS
Dichloromethane	NMT 600	<LOQ	ug/g	15	PASS
1,2-Dichloroethene, (E)	NMT 1870	<LOQ	ug/g	46.75	PASS
1,2-Dichloroethene, (Z)	NMT 1870	<LOQ	ug/g	46.75	PASS
Tetrahydrofuran	NMT 720	<LOQ	ug/g	18	PASS
Cyclohexane	NMT 3880	<LOQ	ug/g	97	PASS
Methylcyclohexane	NMT 1180	<LOQ	ug/g	29.5	PASS
1,4-Dioxane	NMT 380	<LOQ	ug/g	38	PASS
Toluene	NMT 890	<LOQ	ug/g	22.25	PASS
Chlorobenzene	NMT 360	<LOQ	ug/g	9	PASS
Ethylbenzene	NMT 2170	<LOQ	ug/g	54.25	PASS
o/p-Xylene	NMT 2170	<LOQ	ug/g	54.25	PASS
m-Xylene	NMT 2170	<LOQ	ug/g	54.25	PASS
Isopropylbenzene	NMT 70	<LOQ	ug/g	1.75	PASS
Hexane	NMT 290	<LOQ	ug/g	7.25	PASS
Nitromethane	NMT 50	<LOQ	ug/g	1.25	PASS
Chloroform	NMT 60	<LOQ	ug/g	1.5	PASS
1,2-Dimethoxyethane	NMT 100	<LOQ	ug/g	2.5	PASS
Trichloroethene	NMT 80	<LOQ	ug/g	2	PASS
Pyridine	NMT 200	<LOQ	ug/g	5	PASS
2-Hexanone	NMT 50	<LOQ	ug/g	5	PASS
Tetralin	NMT 100	<LOQ	ug/g	2.5	PASS
Total Xylenes	NMT 2170	<LOQ	ug/g	54	PASS

Residual Solvents: Class III (GC-MS)

Method Code: T201 **Tested: 30JAN2026 | 0302**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Pentane	NMT 5000	<LOQ	ug/g	125	PASS
Ethanol	NMT 5000	<LOQ	ug/g	125	PASS
Diethyl Ether	NMT 5000	<LOQ	ug/g	125	PASS
Acetone	NMT 5000	<LOQ	ug/g	125	PASS
Ethyl Formate	NMT 5000	<LOQ	ug/g	125	PASS
Isopropanol	NMT 5000	<LOQ	ug/g	125	PASS
Methyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
Methyl tert-Butyl Ether	NMT 5000	<LOQ	ug/g	125	PASS
1-Propanol	NMT 5000	<LOQ	ug/g	125	PASS

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
2-Butanone	NMT 5000	<LOQ	ug/g	125	PASS
Ethyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
2-Butanol	NMT 5000	<LOQ	ug/g	125	PASS
2-Methyl-1-Propanol	NMT 5000	<LOQ	ug/g	125	PASS
Isopropyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
Heptane	NMT 5000	<LOQ	ug/g	125	PASS
1-Butanol	NMT 5000	<LOQ	ug/g	125	PASS
Propyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
4-Methyl-2-Pentanone	NMT 5000	<LOQ	ug/g	125	PASS
Isoamyl Alcohol	NMT 5000	<LOQ	ug/g	125	PASS
Isobutyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
1-Pentanol	NMT 5000	<LOQ	ug/g	125	PASS
Butyl Acetate	NMT 5000	<LOQ	ug/g	125	PASS
Anisole	NMT 5000	<LOQ	ug/g	125	PASS
Dimethylsulfoxide	NMT 5000	<LOQ	ug/g	125	PASS

Loss on Drying **Method Code: T505** **Tested: 30JAN2026 | 1438**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Loss on Drying	Report Results	94.4	%	0.1	N/A

Kavalactones (UHPLC-DAD) **Method Code: T104** **Tested: 31JAN2026 | 0331**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Kavain	Report Results	0.407	mg/mL	0.016	N/A
Dihydrokavain	Report Results	0.701	mg/mL	0.016	N/A
Methysticin	Report Results	0.246	mg/mL	0.016	N/A
Dihydromethysticin	Report Results	0.328	mg/mL	0.016	N/A
Yangonin	Report Results	0.198	mg/mL	0.016	N/A
Desmethoxyyangonin	Report Results	0.226	mg/mL	0.016	N/A
Flavokawain A	Report Results	0.0202	mg/mL	0.016	N/A
Flavokawain B	Report Results	0.0387	mg/mL	0.016	N/A
Flavokawain C	Report Results	<LOQ	mg/mL	0.016	N/A
Total Kavalactones	Report Results	2.11	mg/mL	0.016	N/A

Kavalactones (UHPLC-DAD) **Method Code: T104** **Tested: 31JAN2026 | 0331**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Kavain	Report Results	0.0398	w/w%	0.0016	N/A
Dihydrokavain	Report Results	0.0684	w/w%	0.0016	N/A
Methysticin	Report Results	0.0240	w/w%	0.0016	N/A
Dihydromethysticin	Report Results	0.0320	w/w%	0.0016	N/A
Yangonin	Report Results	0.0193	w/w%	0.0016	N/A
Desmethoxyyangonin	Report Results	0.0221	w/w%	0.0016	N/A
Flavokawain A	Report Results	0.00197	w/w%	0.0016	N/A
Flavokawain B	Report Results	0.00378	w/w%	0.0016	N/A
Flavokawain C	Report Results	<LOQ	w/w%	0.0016	N/A
Total Kavalactones	Report Results	0.206	w/w%	0.0016	N/A

Microbiological Examination **Method Code: T005** **Tested: 29JAN2026 | 1628**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	NMT 10,000 CFU/g	<LOQ	CFU/g	10 CFU/g	PASS
Total Yeast and Mold	NMT 1,000 CFU/g	<LOQ	CFU/g	10 CFU/g	PASS
Salmonella spp.	Not Detected in 25 g	Not Detected	N/A	1 CFU/25g	PASS
Shiga-toxin producing E. coli	Not Detected in 25 g	Not Detected	N/A	1 CFU/25g	PASS

Microbiological Examination **Method Code: T005** **Tested: 02FEB2026 | 1619**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Aspergillus flavus	Not Detected in 25 g	Not Detected	N/A	1 CFU/25g	PASS
Aspergillus niger	Not Detected in 25 g	Not Detected	N/A	1 CFU/25g	PASS
Aspergillus fumigatus	Not Detected in 25 g	Not Detected	N/A	1 CFU/25g	PASS
Aspergillus terreus	Not Detected in 25 g	Not Detected	N/A	1 CFU/25g	PASS

Foreign Matter Inspection **Method Code: T501** **Tested: 02FEB2026 | 0928**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Foreign Matter	NMT 3%	<LOQ	%	0.05	PASS

pH (Acidified Food) **Method Code: T502** **Tested: 30JAN2026 | 1039**

PARAMETER	SPECIFICATION	RESULT	UNIT	RANGE	NOTES
pH	Report Results	4.96	N/A	2 - 12	N/A

7-Hydroxymitragynine Limit (0.04%) **Method Code: 813** **Tested: 30JAN2026 | 1438**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
7-Hydroxymitragynine	NMT 400 PPM	69	ppm	13	PASS

Additional Report Notes

T102 and T104 results, LOQ and unit converted from w/w% to mg/mL using a laboratory measured density of 1.024 g/mL. T813 results are reported on a dry-weight basis (DWB). Reported values converted from T102 results using the laboratory-measured loss on drying by T505 for each sample:
DWB w/w% = (as-received w/w%) ÷ (1 − moisture%/100).

Revision History

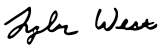
rev 00 - Initial release.

Abbreviations

ID: identification, **N/A:** not applicable, **LOQ:** limit of quantitation, **CFU:** colony forming units, **w/w%:** weight by weight percent, **mg:** milligrams, **g:** grams, **ug:** micrograms, **mL:** milliliters, **ND:** not detected, **<LOQ:** below limit of quantitation, **NMT:** no more than, **NLT:** no less than, **UHPLC:** ultra-high performance liquid chromatography, **GC:** gas chromatography, **DAD:** diode array detection/detector, **MS:** mass spectroscopy/spectrometer, **ICP:** inductively coupled plasma, **ISO:** International Organization for Standardization, **USP:** United States Pharmacopeia

Authorization

This report has been authorized for release from Cora Science by:

Signature:		**Position:**	Laboratory Director
		Department:	Management
Name:	Tyler West	**Date:**	02FEB2026