



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 Pineapple Paradise
Lot Number: HLPP 262301B1
Description: Ready-to-drink beverage
Condition: Good
Job ID: ISO06093
Sample ID: I16993
Received: 28JAN2026
Completed: 02FEB2026
Issued: 02FEB2026

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 30JAN2026 | 0854

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	2.08	mg/mL	0.00072	N/A
7-Hydroxymitragynine	Report Results	0.00292	mg/mL	0.00072	N/A
Paynantheine	Report Results	0.316	mg/mL	0.00072	N/A
Speciogynine	Report Results	0.255	mg/mL	0.00072	N/A
Speciociliatine	Report Results	0.509	mg/mL	0.00072	N/A
Total Mitragyna Alkaloids	Report Results	3.16	mg/mL	0.00072	N/A

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 30JAN2026 | 0854

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.202	w/w%	0.000070	N/A
7-Hydroxymitragynine	Report Results	0.000284	w/w%	0.000070	N/A
Paynantheine	Report Results	0.0308	w/w%	0.000070	N/A
Speciogynine	Report Results	0.0248	w/w%	0.000070	N/A
Speciociliatine	Report Results	0.0495	w/w%	0.000070	N/A
Total Mitragyna Alkaloids	Report Results	0.308	w/w%	0.000070	N/A

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 30JAN2026 | 1642

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	0.021	ug/g	0.002	PASS

Residual Solvents: Class I (GC-MS)		Method Code: T201		Tested: 30JAN2026 0355	
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 0355	
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 0355	
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 1459	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Loss on Drying	Report Results	92.4	%	0.1	N/A

Kavalactones (UHPLC-DAD)		Method Code: T104		Tested: 31JAN2026 0429	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Kavain	Report Results	0.406	mg/mL	0.016	N/A
Dihydrokavain	Report Results	0.699	mg/mL	0.016	N/A
Methysticin	Report Results	0.247	mg/mL	0.016	N/A
Dihydromethysticin	Report Results	0.327	mg/mL	0.016	N/A
Yangonin	Report Results	0.193	mg/mL	0.016	N/A
Desmethoxyyangonin	Report Results	0.227	mg/mL	0.016	N/A
Flavokawain A	Report Results	0.0202	mg/mL	0.016	N/A
Flavokawain B	Report Results	0.0393	mg/mL	0.016	N/A
Flavokawain C	Report Results	<LOQ	mg/mL	0.016	N/A
Total Kavalactones	Report Results	2.10	mg/mL	0.016	N/A

Kavalactones (UHPLC-DAD)		Method Code: T104		Tested: 31JAN2026 0429	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Kavain	Report Results	0.0395	w/w%	0.0016	N/A
Dihydrokavain	Report Results	0.0680	w/w%	0.0016	N/A
Methysticin	Report Results	0.0240	w/w%	0.0016	N/A
Dihydromethysticin	Report Results	0.0318	w/w%	0.0016	N/A
Yangonin	Report Results	0.0188	w/w%	0.0016	N/A
Desmethoxyyangonin	Report Results	0.0221	w/w%	0.0016	N/A
Flavokawain A	Report Results	0.00196	w/w%	0.0016	N/A
Flavokawain B	Report Results	0.00383	w/w%	0.0016	N/A
Flavokawain C	Report Results	<LOQ	w/w%	0.0016	N/A
Total Kavalactones	Report Results	0.204	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	85	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 0929		
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES	
Foreign Matter	NMT 3%	<LOQ	%	0.05	PASS	

pH (Acidified Food)		Method Code: T502		Tested: 30JAN2026 1044		
PARAMETER	SPECIFICATION	RESULT	UNIT	RANGE	NOTES	
pH	Report Results	5.01	N/A	2 - 12	N/A	

7-Hydroxymitragynine Limit (0.04%)		Method Code: 813		Tested: 30JAN2026 1459		
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES	
7-Hydroxymitragynine	NMT 400 PPM	37	ppm	9	PASS	

Additional Report Notes

T102 and T104 results, LOQ and unit converted from w/w% to mg/mL using a laboratory measured density of 1.028 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:	<i>Tyler West</i>	Position:	Laboratory Director
Name:	Tyler West	Department:	Management
		Date:	02FEB2026