Certificate of Analysis



Customer Information

Client		Lab:	Cora Science, LLC	
Client:	CWL Brands	Address	8000 Anderson Square, STE 113	
Attention:	(208) 577-7668 11193 W Emerald St, STE 140 Boise, ID 83713		Austin, Texas 78757 info@corascience.com	
Address:				
		Contact:		
			(512) 856-5007	

Sample Image(s)



Sample Information

Testing Facility

Name:	F+F Clear B5 Filtered			
Lot Number:	CWLFFB5 2131304			
Description:	Liquid botanical extract			
Condition:	Good			
Job ID:	ISO01484			
Sample ID:	102697			
Received:	250CT2023			
Completed:	26OCT2023			
Issued:	27OCT2023			

Test Results

Kavalactones (UHPLC-DAD)		Method Code: T104		Tested: 2	Tested: 250CT2023 2029	
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES	
Kavain	Report Results	0.222	w/w%	0.003	N/A	
Dihydrokavain	Report Results	0.186	w/w%	0.003	N/A	
Methysticin	Report Results	0.079	w/w%	0.003	N/A	
Dihydromethysticin	Report Results	0.071	w/w%	0.003	N/A	
Yangonin	Report Results	0.030	w/w%	0.003	N/A	
Desmethoxyyangonin	Report Results	0.072	w/w%	0.003	N/A	
Flavokawain A	Report Results	0.011	w/w%	0.003	N/A	
Flavokawain B	Report Results	0.019	w/w%	0.003	N/A	
Flavokawain C	Report Results	<loq< td=""><td>w/w%</td><td>0.003</td><td>N/A</td></loq<>	w/w%	0.003	N/A	
Total Kavalactones	Report Results	0.661	w/w%	0.003	N/A	
Kavalactones (UHPLC-DAD)		Method Code: T104		Tested: 250CT2023 2029		
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES	
Kavain	Report Results	2.29	mg/mL	0.03	N/A	
Dihydrokavain	Report Results	1.91	mg/mL	0.03	N/A	
Methysticin	Report Results	0.811	mg/mL	0.03	N/A	
Dihydromethysticin	Report Results	0.727	mg/mL	0.03	N/A	
Yangonin	Report Results	0.312	mg/mL	0.03	N/A	
Desmethoxyyangonin	Report Results	0.743	mg/mL	0.03	N/A	
Flavokawain A	Report Results	0.117	mg/mL	0.03	N/A	
Flavokawain B	Report Results	0.191	mg/mL	0.03	N/A	
Flavokawain C	Report Results	<loq< td=""><td>mg/mL</td><td>0.03</td><td>N/A</td></loq<>	mg/mL	0.03	N/A	
Total Kavalactones	Report Results	6.79	mg/mL	0.03	N/A	
Mitragyna Alkaloids (UHPLC-DAD)		Method Cod	le: T102	Tested: 20	60CT2023 0834	

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Work Order ID: ISO01484 - Sample Id: I02697 - Received Date: 25OCT2023 - Issued Date: 27OCT2023 - Page: 2

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	1.20	mg/mL	0.03	N/A
7-Hydroxymitragynine	Report Results	<loq< td=""><td>mg/mL</td><td>0.01</td><td>N/A</td></loq<>	mg/mL	0.01	N/A
Paynantheine	Report Results	0.184	mg/mL	0.03	N/A
Speciogynine	Report Results	0.095	mg/mL	0.03	N/A
Speciociliatine	Report Results	0.098	mg/mL	0.03	N/A
Total Mitragyna Alkaloids	Report Results	1.58	mg/mL	0.03	N/A

Mitragyna Alkaloids (UHPLC-	Method Code: T102		Tested: 260CT2023 0834		
PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.117	w/w%	0.003	N/A
7-Hydroxymitragynine	Report Results	<loq< td=""><td>w/w%</td><td>0.001</td><td>N/A</td></loq<>	w/w%	0.001	N/A
Paynantheine	Report Results	0.018	w/w%	0.003	N/A
Speciogynine	Report Results	0.009	w/w%	0.003	N/A
Speciociliatine	Report Results	0.010	w/w%	0.003	N/A
Total Mitragyna Alkaloids	Report Results	0.154	w/w%	0.003	N/A

Additional Report Notes

T102 and T104 result, LOQ and unit converted from w/w% to mg/mL using a laboratory measured density of 1.027 g/mL.

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: Department: Laboratory Director Management

Date:

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270CT2023

Name:

Tyler West