Certificate of Analysis

Customer Information

Client:	Blue Deer Nutraceuticals Inc.
Attention:	(214) 554-7649
Address:	8516 Westfield Dr Dallas, TX 75243

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:	N55 liquid
Lot Number:	01-051624-033N55
Description:	Liquid botanical extract
Condition:	Good
Job ID:	ISO02147
Sample ID:	I04965
Received:	12JUN2024
Completed:	12JUN2024
Issued:	12JUN2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 12JUN2024 | 1654**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	54.8	mg/mL	0.09	N/A
7-Hydroxymitragynine	Report Results	0.054	mg/mL	0.03	N/A
Paynantheine	Report Results	6.78	mg/mL	0.09	N/A
Speciogynine	Report Results	4.75	mg/mL	0.09	N/A
Speciociliatine	Report Results	3.29	mg/mL	0.09	N/A
Total Mitragyna Alkaloids	Report Results	69.7	mg/mL	0.09	N/A

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 12JUN2024 | 1654**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	5.23	w/w%	0.009	N/A
7-Hydroxymitragynine	Report Results	0.005	w/w%	0.002	N/A
Paynantheine	Report Results	0.647	w/w%	0.009	N/A
Speciogynine	Report Results	0.453	w/w%	0.009	N/A
Speciociliatine	Report Results	0.314	w/w%	0.009	N/A
Total Mitragyna Alkaloids	Report Results	6.65	w/w%	0.009	N/A

Additional Report Notes

T102 result, LOQ and unit converted from w/w% to mg/mL using a laboratory measured density of 1.048 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:	Tyler West	**Position:**	Laboratory Director
		Department:	Management
Name:	Tyler West	**Date:**	12JUN2024