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 Kblast Concentrate
Lot Number: N550924
Description: Liquid botanical extract
Condition: Good
Job ID: ISO02614
Sample ID: I06400
Received: 08OCT2024
Completed: 08OCT2024
Issued: 09OCT2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 08OCT2024 | 2319**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	61.2	mg/mL	0.05	N/A
7-Hydroxymitragynine	Report Results	0.018	mg/mL	0.01	N/A
Paynantheine	Report Results	7.28	mg/mL	0.05	N/A
Speciogynine	Report Results	5.03	mg/mL	0.05	N/A
Speciociliatine	Report Results	5.86	mg/mL	0.05	N/A
Total Mitragyna Alkaloids	Report Results	79.3	mg/mL	0.05	N/A

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 08OCT2024 | 2319**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	5.81	w/w%	0.0050	N/A
7-Hydroxymitragynine	Report Results	0.002	w/w%	0.0013	N/A
Paynantheine	Report Results	0.691	w/w%	0.0050	N/A
Speciogynine	Report Results	0.477	w/w%	0.0050	N/A
Speciociliatine	Report Results	0.556	w/w%	0.0050	N/A
Total Mitragyna Alkaloids	Report Results	7.53	w/w%	0.0050	N/A

Additional Report Notes

T102 result, LOQ and unit converted from w/w% to mg/mL using a laboratory measured density of 1.053 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:**	09OCT2024