

# 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.

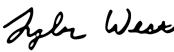
This report, prepared by Cora Science, LLC, shall not be reproduced except in its entirety without prior written approval. All test articles are analyzed as received and the results relate only to the specific sample of material or product analyzed. Test methods are performed in a laboratory accredited to ISO/IEC 17025:2017 in the field of testing by PJLA (Accreditation #116374) or a registered outsourcing facility. Some test methods reported may fall outside the scope of L22-250 supplement.

## 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:

<b>Signature:</b>		<b>Position:</b>	Laboratory Director
		<b>Department:</b>	Management
<b>Name:</b>	Tyler West	<b>Date:</b>	09OCT2024