

# 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.

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## Abbreviations

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**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

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## Authorization

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This report has been authorized for release from Cora Science by:

<b>Signature:</b>		<b>Position:</b>	Laboratory Director
<b>Name:</b>	Tyler West	<b>Department:</b>	Management
		<b>Date:</b>	12JUN2024