

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: KPOP 004
Lot Number: KPA-004
Description: Semi-solid botanical extract
Condition: Good
Job ID: ISO03321
Sample ID: I08458
Received: 11FEB2025
Completed: 21FEB2025
Issued: 21FEB2025

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 18FEB2025 | 2351

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	83.5	mg/unit	0.53	N/A
7-Hydroxymitragynine	Report Results	<LOQ	mg/unit	0.14	N/A
Paynantheine	Report Results	2.02	mg/unit	0.53	N/A
Speciogynine	Report Results	1.64	mg/unit	0.53	N/A
Speciociliatine	Report Results	<LOQ	mg/unit	0.53	N/A
Total Mitragyna Alkaloids	Report Results	87.2	mg/unit	0.53	N/A

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 18FEB2025 | 2351

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.642	w/w%	0.0040	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.0011	N/A
Paynantheine	Report Results	0.016	w/w%	0.0040	N/A
Speciogynine	Report Results	0.013	w/w%	0.0040	N/A
Speciociliatine	Report Results	<LOQ	w/w%	0.0040	N/A
Total Mitragyna Alkaloids	Report Results	0.670	w/w%	0.0040	N/A

Microbiological Examination

Method Code: T005

Tested: 12FEB2025 | 1616

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU / g	510	N/A	20 CFU / g	PASS
Total Yeast and Mold	100,000 CFU / g	Not Detected	N/A	20 CFU / g	PASS
Total Coliforms	10,000 CFU / g	Not Detected	N/A	20 CFU / g	PASS
Escherichia coli	Not Detected in 10 g	Not Detected	N/A	1 CFU / 10 g	PASS
Salmonella	Not Detected in 25 g	Not Detected	N/A	1 CFU / 25 g	PASS

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 21FEB2025 | 1032

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.50	0.009	ug/g	0.006	PASS
Cadmium	NMT 0.50	<LOQ	ug/g	0.002	PASS
Mercury	NMT 0.20	<LOQ	ug/g	0.002	PASS
Lead	NMT 0.50	0.010	ug/g	0.002	PASS

Additional Report Notes

N/A

Revision History

rev 00 - Initial release.

rev 01 - Added T301 results.

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: 

Name: Tyler West

Position: Laboratory Director

Department: Management

Date: 21FEB2025