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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: KShot focus 006
Lot Number: KF122024-02
Description: Ready-to-drink botanical infused beverage
Condition: Good
Job ID: ISO03086
Sample ID: I07909
Received: 09JAN2025
Completed: 14JAN2025
Issued: 15JAN2025

Test Results

Mitragyna Alkaloids (UHPLC-DAD) **Method Code: T102** **Tested: 14JAN2025 | 1140**

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.890	mg/mL	0.01	N/A
7-Hydroxymitragynine	Report Results	<LOQ	mg/mL	0.01	N/A
Paynantheine	Report Results	0.021	mg/mL	0.01	N/A
Speciogynine	Report Results	0.016	mg/mL	0.01	N/A

Speciociliatine	Report Results	<LOQ	mg/mL	0.01	N/A
Total Mitragyna Alkaloids	Report Results	0.927	mg/mL	0.01	N/A

Mitragyna Alkaloids (UHPLC-DAD)	Method Code: T102	Tested: 14JAN2025 1140
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PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	0.087	w/w%	0.001	N/A
7-Hydroxymitragynine	Report Results	<LOQ	w/w%	0.001	N/A
Paynantheine	Report Results	0.002	w/w%	0.001	N/A
Speciogynine	Report Results	0.002	w/w%	0.001	N/A
Speciociliatine	Report Results	<LOQ	w/w%	0.001	N/A
Total Mitragyna Alkaloids	Report Results	0.091	w/w%	0.001	N/A

Elemental Impurities (ICP-MS)	Method Code: T301	Tested: 14JAN2025 1230
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PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.50	<LOQ	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	<LOQ	ug/g	0.002	PASS

Microbiological Examination	Method Code: T005	Tested: 09JAN2025 1043
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PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU / g	25,950	N/A	10 CFU / g	PASS
Total Yeast and Mold	100,000 CFU / g	Not Detected	N/A	10 CFU / g	PASS
Total Coliforms	10,000 CFU / g	Not Detected	N/A	10 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

Additional Report Notes

T102 result, LOQ and unit converted from w/w% to mg/mL using a laboratory measured density of 1.022 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: 

Name: Tyler West

Position: Laboratory Director

Department: Management

Date: 15JAN2025