

Print

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: KPOW capsules 5 count
Lot Number: KCE82624-5
Description: Hard-shell capsule
Condition: Good
Job ID: ISO02481
Sample ID: I05988
Received: 06SEP2024
Completed: 13SEP2024
Issued: 16SEP2024

Test Results

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102 Tested: 13SEP2024 | 0843

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
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Mitragynine	Report Results	19.3	w/w%	0.011	N/A
7-Hydroxymitragynine	Report Results	0.007	w/w%	0.003	N/A
Paynantheine	Report Results	2.37	w/w%	0.011	N/A
Speciogynine	Report Results	1.60	w/w%	0.011	N/A
Speciociliatine	Report Results	1.42	w/w%	0.011	N/A
Total Mitragyna Alkaloids	Report Results	24.7	w/w%	0.011	N/A

Mitragyna Alkaloids (UHPLC-DAD)

Method Code: T102

Tested: 13SEP2024 | 0843

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Mitragynine	Report Results	95.0	mg/unit	0.05	N/A
7-Hydroxymitragynine	Report Results	0.034	mg/unit	0.01	N/A
Paynantheine	Report Results	11.7	mg/unit	0.05	N/A
Speciogynine	Report Results	7.90	mg/unit	0.05	N/A
Speciociliatine	Report Results	6.99	mg/unit	0.05	N/A
Total Mitragyna Alkaloids	Report Results	122	mg/unit	0.05	N/A

Elemental Impurities (ICP-MS)

Method Code: T301

Tested: 11SEP2024 | 1153

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Arsenic	NMT 1.5	<LOQ	ug/g	0.0060	PASS
Cadmium	NMT 0.5	<LOQ	ug/g	0.0020	PASS
Lead	NMT 0.5	<LOQ	ug/g	0.0020	PASS
Mercury	NMT 0.2	<LOQ	ug/g	0.0020	PASS

Microbiological Examination

Method Code: T005

Tested: 09SEP2024 | 1012

PARAMETER	SPECIFICATION	RESULT	UNIT	LOQ	NOTES
Total Aerobic Plate Count	10,000,000 CFU / g	440	CFU/g	20 CFU / g	PASS
Total Yeast and Mold	100,000 CFU / g	140	CFU/g	20 CFU / g	PASS
Total Coliforms	10,000 CFU / g	Not Detected	CFU/g	20 CFU / g	PASS
Escherichia coli	Not Detected in 1 g	Not Detected	N/A	1 CFU / 1 g	PASS
Salmonella	Not Detected in 1 g	Not Detected	N/A	1 CFU / 1 g	PASS
Staphylococcus	Not Detected in 1 g	Not Detected	N/A	1 CFU / 1 g	PASS

Additional Report Notes

T10x result, LOQ and unit converted from w/w% to mg/unit using a laboratory measured unit weight of 0.493 grams. For potency analysis, the outer capsule shell was removed and not included in the w/w% potency or unit weight analysis.

Revision History

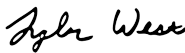
rev 00 - Initial release.

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:		Position:	Laboratory Director
		Department:	Management
Name:	Tyler West	Date:	16SEP2024