




# CERTIFICATE OF ANALYSIS

Sample(s) Receipt Date(s):	06/09/2023	Batch(s):	B230609-2
Received by:	JDR	Sample ID #:	2306-321
Customer Name/ID:	Koi CBD, LLC	Date of Analysis/Testing:	06/12/2023 - 06/15/2023

<b>Product/Sample Name</b>	Zen Berry	<b>Lot #</b>	KKSZB-001	
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Final Disposition	PASS	Method Group	Method Name	Date	Disposition
		Kratom Alkaloids	WKI-03-0107	6/12/2023	N/A
		Heavy Metals	HM-PREP-001	6/13/2023	PASS
		Microbials	MICRO-PREP-001	6/15/2023	PASS

Method Group	Analyte / Property	LOD (mg/g)	LOQ (mg/g)	Results (mg/mL)	Results (mg/Unit)	Limit Amount	Disposition
Kratom Alkaloids	7-hydroxymitragynine	N/A	N/A	ND	ND	N/A	
	Mitraphylline	N/A	N/A	ND	ND		
	Isorhynchophylline	N/A	N/A	ND	ND		
	Mitragynine	N/A	N/A	16.85	168.50		
	Paynantheine	N/A	N/A	0.29	2.90		
	Speciogynine	N/A	N/A	0.65	6.50		
	Speciocilatine	N/A	N/A	0.97	9.70		
<b>Total Alkaloids</b>				<b>18.76</b>	<b>187.60</b>		

Method Group	Analyte / Property	LOD (µg/g)	LOQ (µg/g)	Results (µg/g)	Results (µg/Unit)	Limit Amount (µg/g)	Disposition
Heavy Metals	Arsenic	0.003	0.009	ND	ND	1.5	PASS
	Cadmium	0.001	0.002	ND	ND	0.5	PASS
	Lead	0.001	0.004	ND	ND	0.5	PASS
	Mercury	0.005	0.014	ND	ND	3	PASS

Method Group	Analyte / Property	LOD (CFU/g)	LOQ (CFU/g)	Results (CFU/g)	Results (CFU/Unit)	Limit Amount (CFU/g)	Disposition
Microbiological	Aerobic Plate Count	10	10	<LOD	<LOD	N/A	PASS
	Total Coliform Bacteria	10	10	<LOD	<LOD	N/A	PASS
	E. Coli	10	10	<LOD	<LOD	N/A	PASS
	Yeast & Mold	10	10	<LOD	<LOD	N/A	PASS
	Salmonella SPP	10	10	<LOD	<LOD	N/A	PASS

NOTES: <LOQ = Below limit of Quantitation / ND = Not Detected (Below limit of Detection (<LOD)) / 1µg/mL = 1ppm / 1000µg/mL = 1mg/mL / 1% = 10mg/g

**Performed by/Date:** \_\_\_\_\_

**Checked by/Date:** \_\_\_\_\_

**Notes:** This Certificate of analysis only reflects data for the samples indicated on this form, as received by NNA in a good condition. There have been no amendments to the data since publishing. This report contains all parts of the complete report.