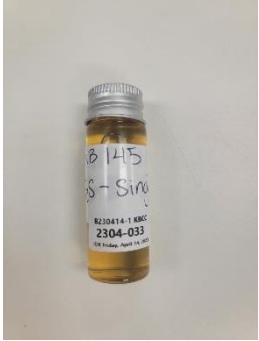




CERTIFICATE OF ANALYSIS

Sample(s) Receipt Date(s):	04/14/2023	Batch(s):	B230414-1				
Received by:	JDR	Sample ID #:	2304-033				
Customer Name/ID:	KB Crash Creations	Date of Analysis/Testing:	4/16/2023				
Product/Sample Name	GS-Single	Lot #	KB145-GS				
				Final Disposition	N/A	Method Group	Method Name
		Kratom Alkaloids	WKI-03-0107	4/16/2023	N/A		
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	N/A	N/A	
	Mitraphylline	N/A	N/A	ND	N/A		
	Isorhynchophylline	N/A	N/A	ND	N/A		
	Mitragynine	N/A	N/A	13.02	N/A		
	Paynantheine	N/A	N/A	0.46	N/A		
	Speciogynine	N/A	N/A	0.54	N/A		
	Speciocilatine	N/A	N/A	0.49	N/A		
	Total Alkaloids			14.5	N/A		
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.



CERTIFICATE OF ANALYSIS

Sample(s) Receipt Date(s):	04/14/2023	Batch(s):	B230414-1					
Received by:	JDR	Sample ID #:	2304-028					
Customer Name/ID:	KB Crash Creations	Date of Analysis/Testing:	4/16/2023					
Product/Sample Name	Heat Crash 70	Lot #	KB148					
Final Disposition	N/A	Method Group	Method Name	Date	Disposition			
		Kratom Alkaloids	WKI-03-0107	4/16/2023	N/A			
Method Group	Analyte / Property	LOD (mg/g)	LOQ (mg/g)	Results (%)	Results (mg/g)	Results (mg/Unit)	Limit Amount	Disposition
Kratom Alkaloids	7-hydroxymitragynine	N/A	N/A	ND	ND	N/A	N/A	
	Mitraphylline	N/A	N/A	ND	ND	N/A		
	Isorhynchophylline	N/A	N/A	ND	ND	N/A		
	Mitragynine	N/A	N/A	76.56%	765.6	N/A		
	Paynantheine	N/A	N/A	1.27%	12.7	N/A		
	Speciogynine	N/A	N/A	2.46%	24.6	N/A		
	Speciocilatine	N/A	N/A	2.05%	20.5	N/A		
	Total Alkaloids			82.3%	823.4	N/A		
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.



Certificate of Analysis for

KB Crash Creations
223 West 6th St
West Wyoming, PA 18644

Received: 3/24/2023 @ 20.4 °C
Report ID: 2303975

Sample ID: 2303975-001

Sample Description: Herba Spray (1st 5 Gal) 03232023

ACR.1a: AC by mass via AOAC 2015.13 (Petrifilm™) Analyzed 03/24/23

Aerobic Plate Count	< 10	CFU/g
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CC.1a: CC by mass via AOAC 991.14, 998.03 (Petrifilm™) Analyzed 03/24/23

Total Coliform Bacteria	< 10	CFU/g
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EC.1a: EC by mass via AOAC 991.14, 998.08 (Petrifilm™) Analyzed 03/24/23

Escherichia coli	< 10	CFU/g
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ICPMS.1: Metals via FDA - EAM:2008 (ICP/MS) Analyzed 03/28/23

Arsenic (As)	< 0.020	mg/kg (ppm)	Cadmium (Cd)	< 0.010	mg/kg (ppm)
Lead (Pb)	0.006	mg/kg (ppm)	Mercury (Hg)	< 0.005	mg/kg (ppm)

MIT.1: Mitragynine via AOAC 2017.14 Analyzed 03/28/23

7-Hydroxymitragynine	< 0.100	%	Mitragynine	11.4	%
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ResSolv.1: Residual Solvents by Headspace GC/MS (VF-624MS) Analyzed 03/28/23

1,2-Dichloroethane	< 2	mg/kg (ppm)	2-Propanol	< 50	mg/kg (ppm)
Acetone	< 50	mg/kg (ppm)	Acetonitrile	< 50	mg/kg (ppm)
Benzene	< 2	mg/kg (ppm)	Chloroform	< 50	mg/kg (ppm)
Cyclohexane	< 50	mg/kg (ppm)	Diethyl ether	< 50	mg/kg (ppm)
Ethanol	37,700	mg/kg (ppm)	Ethyl Acetate	68	mg/kg (ppm)
Heptane	< 50	mg/kg (ppm)	Hexane	< 50	mg/kg (ppm)
Methanol	167	mg/kg (ppm)	Methylene Chloride	< 50	mg/kg (ppm)
N,N-Dimethylformamide	< 10	mg/kg (ppm)	Pentane	< 50	mg/kg (ppm)
Toluene	< 50	mg/kg (ppm)	Trichloroethene	< 50	mg/kg (ppm)
Xylenes (p-, m-, o-)	< 50	mg/kg (ppm)			

Salm.1: Salmonella via AOAC 081201, 2013.02 (BAX® PCR) Analyzed 03/24/23

Salmonella spp.	Negative	/10 g
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STA.1a: S. aureus by mass via AOAC 2003.07, 2003.08, 2003.11 (Petrifilm™) Analyzed 03/24/23

Staphylococcus aureus	< 10	CFU/g
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STEC.1: E. coli (O157:H7, O26, O45, O103, O111, O121, O145) via AOAC 091301 (BAX® PCR, STEC Screen) Analyzed 03/24/23

Shiga toxin-producing E. coli	Negative	/10 g
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YM.1a: YM by mass via AOAC RI 121301 (Petrifilm™) Analyzed 03/24/23

Yeast and Mold	< 10	CFU/g
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Certificate of Analysis for

KB Crash Creations
223 West 6th St
West Wyoming, PA 18644

Received: 3/24/2023 @ 20.4 °C

Report ID: 2303975

Residual solvent concentrations >5000 ppm are informational only and do not represent a quantitated value.

RPC 3-29-23

Reported By: _____

Ryan Connelly, Chemistry Laboratory Manager, 3/29/2023