

STATUS: RELEASED REVISION: 00 DATE: 11/06/2021
 Analysis ID No.
 214014

 TDA License No.
 2020002

 ISO/IEC No.
 1055838

 Purchase Order:
 20210935

 Page No.
 Page 1 of 5

CUSTOMER INFORMATION			SAMPLE INFORMATION			
Company Name:				Submitted Sample Nam	ne:	
				Kratom Spot, Orange Cream Ultra Strength Kratom Shot		
Address:				Submitted Sample Lot:		
				00533		
Phone Number:				Submitted Sample Desc	cription:	
				Beverage in Sealed Reta		om Temp
Contact Name / Ema	ail:			Submitted Sample Proc		
contact Nume / Ent				Kratom Shot / Beverage		
					1	
Analysis	Test Method	LOQ		Specifications	Test Results	Pass / Fail
Mitragynine	UHPLC-DAD	0.01 w/w%	m	g/mL: Report Only*	1.913 mg/mL	Results Report
Mitragynine	UHPLC-DAD	0.01 w/w%	mg	;/unit: Report Only**	109.041 mg/unit	Results Report
	*Solut	ion Density = 1.02	29 g/mL	; **Unit Size = 59 mL (1 b	ottle)	•
		Δ		DS ASSAY		
Analysis	Test Method	LOQ		Specifications	Test Results	Pass / Fail
Mitragynine	UHPLC-DAD	0.01 w/w%	ı I	v/w%: Report Only mg/g: Report Only g/mL: Report Only*	0.186 w/w% 1.859 mg/g 1.913 mg/mL	Results Reported
Paynantheine	UHPLC-DAD	0.01 w/w%	v r	v/w%: Report Only mg/g: Report Only g/mL: Report Only*	0.022 w/w% 0.224 mg/g 0.230 mg/mL	Results Reported
Speciogynine	UHPLC-DAD	0.01 w/w%	v 1	v/w%: Report Only mg/g: Report Only g/mL: Report Only*	0.014 w/w% 0.142 mg/g 0.146 mg/mL	Results Reported
Speciociliatine	UHPLC-DAD	0.01 w/w%	ı I	v/w%: Report Only ng/g: Report Only g/mL: Report Only*	0.044 w/w% 0.443 mg/g 0.456 mg/mL	Results Reported
7-OH-Mitragynine	UHPLC-DAD	0.01 w/w%	r m	v/w%: Report Only ng/g: Report Only g/mL: Report Only* ıtal Alkaloids: NMT 2%	< 0.01 w/w%	PASS
Mitraphylline	UHPLC-DAD	0.01 w/w%	v I	v/w%: Report Only ng/g: Report Only g/mL: Report Only*	< 0.01 w/w%	Results Reported
Isorhynchophylline	UHPLC-DAD	0.01 w/w%	1	v/w%: Report Only ng/g: Report Only g/mL: Report Only*	< 0.01 w/w%	Results Reported
Corynoxine	UHPLC-DAD	0.01 w/w%	ı I	v/w%: Report Only mg/g: Report Only g/mL: Report Only*	< 0.01 w/w%	Results Reported
Total Alkaloids	UHPLC-DAD	0.01 w/w%	ı I	v/w%: Report Only mg/g: Report Only g/mL: Report Only*	0.267 w/w% 2.668 mg/g 2.746 mg/mL	Results Reported



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 2020002

 ISO/IEC No.
 1055838

 Purchase Order:
 20210935

 Page No.
 Page 2 of 5

			MICRO	BIOLOGICAL ASSAY		
Analysis		Test Method	LOQ	Specifications	Test Results	Pass / Fail
Total Aerobic Plate Count (TAPC)		Isolation Agar	10 CFU/gm	NMT 10,000 CFU/gm	< LOQ	PASS
Total Yeast & Mold (TYM)		Isolation Agar	10 CFU/gm	NMT 1,000 CFU/gm	< LOQ	PASS
Coliforms Isolation Agar		Isolation Agar	10 CFU/gm	NMT 100 CFU/gm	< LOQ	PASS
Esherichia coli (E. coli)		Isolation Agar	1 CFU/10 gm	Absent in 10 gm	Absent	PASS
Salmonella		Isolation Agar	1 CFU/25 gm	Absent in 25 gm	Absent	PASS
			ŀ	IEAVY METALS		
Analysis	т	est Method	LOQ	Specifications	Test Results	Pass / Fail
Lead	USI	P <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb	< LOQ	PASS
Mercury	USF	P <232> <233> by ICP-MS	5 ppb	NMT 500 ppb	< LOQ	PASS
Cadmium	US	P <232> <233> by ICP-MS	10 ppb	NMT 300 ppb	< LOQ	PASS
Arsenic	USF	P <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb	< LOQ	PASS
Nickel	Nickel USP <232> <233> by ICP-MS		10 ppb	NMT 200,000 ppb	< LOQ	PASS
			RESIDU	AL SOLVENTS ASSAY		
Analysis Test Method		LOQ	Specifications	Test Results	Pass / Fail	
1,1-Dichloroethene		USP <467> by GC-MS	0.020 ppm	NMT 8 ppm	< LOQ	PASS
1,1,1-Trichloroethane		USP <467> by GC-MS	3.75 ppm	NMT 1,500 ppm	< LOQ	PASS
1,2-Dichloroethane		USP <467> by GC-MS	0.013 ppm	NMT 5 ppm	< LOQ	PASS
Benzene	Benzene		0.005 ppm	NMT 2 ppm	< LOQ	PASS
Carbon tetrachloride		USP <467> by GC-MS	0.010 ppm	NMT 4 ppm	< LOQ	PASS
1,2-dichloroethene (E,Z)		USP <467> by GC-MS	4.675 ppm	NMT 1870 ppm	< LOQ	PASS
1,2-Dimethoxyethane		USP <467> by GC-MS	0.25 ppm	NMT 100 ppm	< LOQ	PASS
1,2,3,4- tetrahydronapthalene		USP <467> by GC-MS	0.25 ppm	NMT 100 ppm	< LOQ	PASS
1,4-Dioxane		USP <467> by GC-MS	0.95 ppm	NMT 380 ppm	< LOQ	PASS
2-Hexanone		USP <467> by GC-MS	0.125 ppm	NMT 50 ppm	< LOQ	PASS
4-methyl-2- pentanone		USP <467> by GC-MS	12.5 ppm	NMT 4,500 ppm	< LOQ	PASS
Acetonitrile		USP <467> by GC-MS	1.025 ppm	NMT 410 ppm	< LOQ	PASS



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 ISO/IEC No.
 1055838

 Purchase Order:
 20210935

 Page No.
 Page 3 of 5

RESIDUAL SOLVENTS ASSAY					
Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Chlorobenzene	USP <467> by GC-MS	0.9 ppm	NMT 360 ppm	< LOQ	PASS
Chloroform	USP <467> by GC-MS	0.15 ppm	NMT 60 ppm	< LOQ	PASS
Cumene	USP <467> by GC-MS	0.175 ppm	NMT 70 ppm	< LOQ	PASS
Cyclohexane	USP <467> by GC-MS	9.7 ppm	NMT 3,880 ppm	< LOQ	PASS
Dichloromethane	USP <467> by GC-MS	1.5 ppm	NMT 600 ppm	< LOQ	PASS
Ethylbenzene	USP <467> by GC-MS	5.425 ppm	NMT 2,170 ppm	< LOQ	PASS
Hexane, n-	USP <467> by GC-MS	0.725 ppm	NMT 290 ppm	< LOQ	PASS
Methanol	USP <467> by GC-MS	7.5 ppm	NMT 3,000 ppm	< LOQ	PASS
Methylcyclohexane	USP <467> by GC-MS	2.95 ppm	NMT 1,180 ppm	< LOQ	PASS
Nitromethane	USP <467> by GC-MS	0.125 ppm	NMT 50 ppm	< LOQ	PASS
Pyridine	USP <467> by GC-MS	0.50 ppm	NMT 200 ppm	< LOQ	PASS
Tetrahydrofuran	USP <467> by GC-MS	1.8 ppm	NMT 720 ppm	< LOQ	PASS
Toluene	USP <467> by GC-MS	2.225 ppm	NMT 890 ppm	< LOQ	PASS
Trichloroethene	USP <467> by GC-MS	0.20 ppm	NMT 80 ppm	< LOQ	PASS
Xylene, m-	USP <467> by GC-MS	108.5 ppm	NMT 2,170 ppm	< LOQ	PASS
Xylene, o-	USP <467> by GC-MS	5.425 ppm	NMT 2,170 ppm	< LOQ	PASS
Xylene, p-	USP <467> by GC-MS	5.425 ppm	NMT 2,170 ppm	< LOQ	PASS
1-Butanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
1-Pentanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
1-Propanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
2-Butanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
2-Butanone	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
2-methyl-1-propanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
2-Propanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
3-methyl-1-butanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS

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 Purchase Order:
 20210935

 Page No.
 Page 4 of 5

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Analysis	Test Method	LOQ	Specifications	Test Results	Pass / Fail
Acetone	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Anisole	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Butyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Ethanol	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Ethyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Ethyl ether	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Ethyl formate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Heptane, n-	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Isobutyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Isopropyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Methyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
N,N- Dimethylsulfoxide	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Pentane, n-	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Propyl acetate	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
t-Butyl Methyl Ether	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Butane, iso-	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Butane, n-	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS
Propane	USP <467> by GC-MS	12.5 ppm	NMT 5,000 ppm	< LOQ	PASS

TESTING FACILITY INFORMATION	SAMPLE INFORMATION
Santé Laboratories	Santé Sample ID: 214014
8201 East Riverside Drive, STE 650	Receipt Date: 10/21/2021 / 01:03 PM CST / M. Cardona
Austin, Texas 78744 USA	Receipt Condition: Good Analysis Start Date: 10/22/2021

ADDITIONAL REPORT NOTES

The reported results presented in this document is only applicable to samples submitted to Santé Laboratories for testing and may not represent the entire lot and/or batch produced by the manufacturer. Heavy metal specifications according to limits defined by Texas DSHS for consumable hemp. Nickel specification according to oral drug products per USP <232>. Microbiological specifications according to limited defined by AHPA for botanical extracts. ©2020 Santé Laboratories, LLC – All Rights Reserved



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 ISO/IEC No.
 1055838

 Purchase Order:
 20210935

 Page No.
 Page 5 of 5

VERSION HISTORY					
Version	Effective Date	Summary of Changes			
00	11/06/2021	Initial Release			
		REVIEWED AND APPROVED BY			
Chief Scien	DocuSigned by: Brian Sloat, Ph.D. Divide Scientific Officer / Quality Manager 06 November 2021 4:03:03 PM PDT Date Date				
		PRODUCT SAMPLE / IMAGE			
		KRATOM SHOT ZTAQIA			