

500 Toffee caramels vend 6/21/22

**Sante LABORATORIES**  
**CERTIFICATE OF ANALYSIS**  
 STATUS: RELEASED REVISION: 00  
 DATE: 08/18/2021  
 Analysis ID No. 212738  
 TDA License No. 2020002  
 ISO/IEC No. 1055838  
 Purchase Order: 20210715  
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CUSTOMER INFORMATION		SAMPLE INFORMATION	
Company Name:	M2M Ventures LLC	Submitted Sample Name:	Toffee Soft Chew, 20 mg Mitrigraynine / ea.
Address:	1412 Freedom Ave, Caldwell, Idaho 83605 USA	Submitted Sample Lot:	MK20T06212021
Phone Number:	208-600-5255	Submitted Sample Description:	Individually Wrapped Soft Edibles; Stored at Room Temp
Contact Name / Email:	Rob Eoff / rob@hushkratom.com	Submitted Sample Product Type / Matrix:	Kratom Extract / Food / Candy Matrix

LABEL CLAIM			
Analysis	Test Method	LOQ	Specifications
Mitrigraynine	UHPLC-DAD	0.01 w/w%	mg/g: Report Only mg/unit: Report Only* Target: 20 mg/unit
Mitrigraynine	UHPLC-DAD	0.01 w/w%	% Label Claim: No Less Than (NLT) 100% Target: 100%

\*Unit Weight = 4.6381 grams

ALKALOIDS ASSAY			
Analysis	Test Method	LOQ	Specifications
Mitrigraynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only
Paynamtheine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only
Specioglynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only
Speciociliatine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only
7-OH-Mitrigraynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only
Mitrigraynine	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only
Isorhynchophylline	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only
Total Alkaloids	UHPLC-DAD	0.01 w/w%	w/w%: Report Only mg/g: Report Only

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HEAVY METALS			
Analysis	Test Method	LOQ	Specifications
Lead	USP <232> <233> by ICP-MS	10 ppb	NMT 1,000 ppb
Mercury	USP <232> <233> by ICP-MS	5 ppb	NMT 500 ppb
Cadmium	USP <232> <233> by ICP-MS	10 ppb	NMT 300 ppb
Arsenic	USP <232> <233> by ICP-MS	10 ppb	NMT 1,500 ppb
Nickel	USP <232> <233> by ICP-MS	10 ppb	NMT 200,000 ppb

MICROBIOLOGICAL ASSAY			
Analysis	Test Method	LOQ	Specifications
Total Aerobic Plate Count (TAPC)	Isolation Agar	10 CFU/gm	NMT 10,000 CFU/gm
Total Yeast & Mold (TYM)	Isolation Agar	10 CFU/gm	NMT 1,000 CFU/gm
Coliforms	Isolation Agar	10 CFU/gm	NMT 100 CFU/gm
Escherichia coli (E.coli)	Isolation Agar	1 CFU/10gm	Absent
Salmonella	Isolation Agar	1 CFU/25gm	Absent

RESIDUAL SOLVENTS ASSAY			
Analysis	Test Method	LOQ	Specifications
1,1-Dichloroethene	USP <467> by GC-MS	0.020 ppm	NMT 8 ppm
1,1,1-Trichloroethane	USP <467> by GC-MS	3.75 ppm	NMT 1,500 ppm
1,2-Dichloroethane	USP <467> by GC-MS	0.013 ppm	NMT 5 ppm
Benzene	USP <467> by GC-MS	0.005 ppm	NMT 2 ppm
Carbon tetrachloride	USP <467> by GC-MS	0.010 ppm	NMT 4 ppm
1,2-dichloroethene (E,Z)	USP <467> by GC-MS	4.675 ppm	NMT 1870 ppm
1,2-Dimethoxyethane	USP <467> by GC-MS	0.25 ppm	NMT 100 ppm
1,2,3,4-tetrahydronaphthalene	USP <467> by GC-MS	0.25 ppm	NMT 100 ppm
1,4-Dioxane	USP <467> by GC-MS	0.95 ppm	NMT 380 ppm
2-Hexanone	USP <467> by GC-MS	0.125 ppm	NMT 50 ppm
4-methyl-2-pentanone	USP <467> by GC-MS	12.5 ppm	NMT 4,500 ppm
Acetonitrile	USP <467> by GC-MS	1.025 ppm	NMT 410 ppm