

Certificate of Analysis

Company: Vt. Medicine Man Botanical	Sample ID: Mandarin Zkittles	Report Date: 3/20/2023
5356 Hollister Hill	Lot: N/A	Date Analyzed: 3/17/2023
Marshfield, VT 05658	Matrix: Flower	Analyst: 050
Customer ID: 221209-0	Date Sampled: N/A	Report ID: C230316AB
Grower License #: SCLT0195	Date Received: 3/16/2023	

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	0.72	0.07
CBGA	0.0008	8.60	0.86
CBG	0.0019	0.65	0.07
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	2.51	0.25
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	202.72	20.27
CBC	0.0024	0.47	0.05
Total THC		180.29	18.03
Total CBD		0.63	0.06
Total Cannabinoids		215.66	21.57

18.03%

Total THC

0.06%

Total CBD

21.57%

Total Cannabinoids

0.25%

Δ9-THC

16.70%

Percent Moisture

1 : 0

THC : CBD Ratio

Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)

Total CBD and total THC are calculated values, to account for assumed decarboxylation from the acid form (THCA or CBDA) to the neutral form, causing weight loss of the acid group. These values are calculated as follows:
 Total THC = (THCA x 0.877) + Δ9-THC Total CBD = (CBDA x 0.877) + CBD
 Ratio of Total CBD: Total THC Reagent Blanks: < LOQs for all analytes

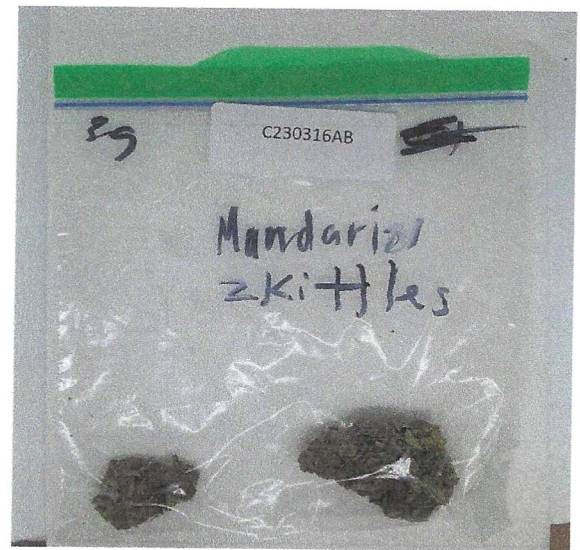
LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

Measurement of Uncertainty (MU): the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement.
 Δ9-THC MU = ±0.005% Total THC MU = ±0.007%

All other cannabinoid MU values are available upon request.

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.



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Certified by: Luke E. M.
 Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

Certificate of Analysis

Company: Vt. Medicine Man Botanical	Sample ID: Harvest Lot 101	
5356 Hollister Hill	Lot: N/A	Report Date: 4/4/2023
Marshfield, VT 05658	Matrix: Flower	Date Analyzed: 4/3/2023
Customer ID: 221209-0	Date Sampled: N/A	Analyst: 045
Grower License #: SCLT0195	Date Received: 3/16/2023	Report ID: C230316AA

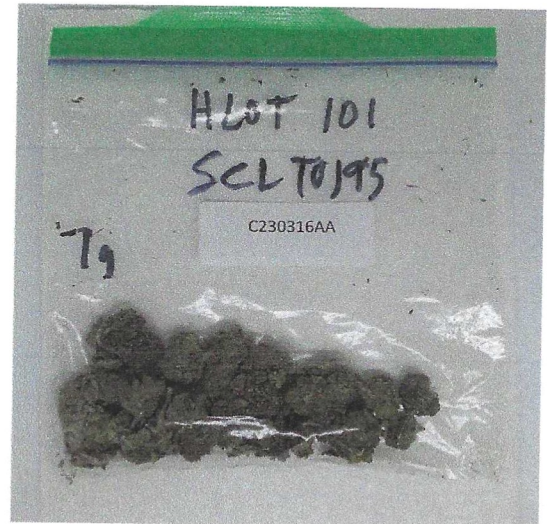
Pesticides/Mycotoxins Summary

Category II Residual Pesticide	LOQ (ppm)	Concentration (ppm)
Abamectin	0.0100	<LOQ
Acephate	0.0010	<LOQ
Acequinocyl	0.0010	<LOQ
Azoxystrobin	0.0010	<LOQ
Bifenazate	0.0010	<LOQ
Bifenthrin	0.0010	<LOQ
Carbaryl	0.0010	<LOQ
Cypermethrin	0.0100	<LOQ
Etoazole	0.0010	<LOQ
Imidacloprid	0.0010	<LOQ
Myclobutanil	0.0010	<LOQ
Pyrethrin I	0.0010	<LOQ
Pyrethrin II	0.0010	<LOQ
Spinosyn A	0.0010	<LOQ
Spinosyn D	0.0010	<LOQ

Category II Mycotoxin	LOQ (ppm)	Concentration (ppm)
Ochratoxin A	0.0020	NOT TESTED
Aflatoxin B1	0.0002	NOT TESTED
Alfatoxin B2	0.0010	NOT TESTED
Alfatoxin G1	0.0002	NOT TESTED
Alfatoxin G2	0.0010	NOT TESTED

Category I Residual Pesticide	LOQ (ppm)	Concentration (ppm)
Chlorpyrifos	0.0010	<LOQ
Imazalil	0.0010	<LOQ

15.46%
Percent Moisture



LOQ = The lowest quantity this method can reliably detect. Any pesticide or mycotoxins that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

ppb = parts per billion

Pesticides/Mycotoxin Methodology: Liquid Chromatography with Tandem Mass Spectrometry using PerkinElme QSight® LX50 UHPLC and QSight 220 Mass Spectrometer

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.

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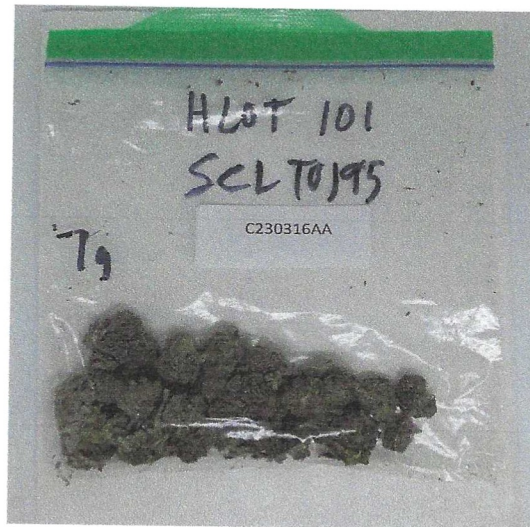
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Certificate of Analysis

<p>Company: Vt. Medicine Man Botanical 5356 Hollister Hill Marshfield, VT 05658</p> <p>Customer ID: 221209-0</p> <p>Grower License #: SCLT0195</p>	<p>Sample ID: Harvest Lot 101</p> <p>Lot: N/A</p> <p>Matrix: Flower</p> <p>Date Sampled: N/A</p> <p>Date Received: 3/16/2023</p>	<p>Report Date: 3/22/2023</p> <p>Date Analyzed: 3/22/2023</p> <p>Analyst: 018</p> <p>Report ID: C230316AA</p>
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Pathogen Summary

Target Pathogens	Method	LOD (cfu/g)	Result (cfu/g)
Aspergillus - flavus, fumigatus, niger, terreus	Aspergillus AOAC PTM No. 032104	5	<LOD
STEC	STEC Virx AOAC PTM No. 121203	5	<LOD
Salmonella spp.	Salmonella II AOAC PTM No. 010803	5	<LOD



Test Methodology: Bio-Rad IQ-Check PCR Kits

cfu/g = colony forming units per gram

LOD = The lowest quantity that this method can reliably detect. Any microbial growth that was not detected is assumed to be less than the stated LOD (<LOD).

Reagent Blanks: <LOD for all analytes

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