kaycha LABS
1231 W. Warner Road, Suite 105
Tempe, AZ, 85284, US
(833) 465-8378

Kaycha Labs
032026MFRM12
Strain: Mule Fuel
Matrix: Flower
Classification: Hybrid
Type: Flower-Cured

Certificate of Analysis

PASSED

Batch #: 032026MFRM12
Harvest Date: 03/20/26
Production Method: Indoor
Total Amount: 7 gram
Retail Product Size: 1 gram

Lab ID: TE60326004-007
Ordered: 03/24/26
Sampled Date: 03/26/26
Sample Collection Time: 10:45 AM
Sample Size: 12.54 gram
Completed: 04/01/26

White Mountain Health Center INC DBA: Arizona Roots
9315 N El Mirage Rd
El Mirage, AZ, 85335, US
License # : 00000103DCDR00369521

SAFETY RESULTS **MISC.**

Pesticide	Heavy Metals	Microbial	Mycotoxins	Solvents	Filth/Foreign Material	Water Activity	Moisture Content	Vitamin E	Terpenes
PASSED	PASSED	PASSED	PASSED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	NOT TESTED	TESTED

Cannabinoid — PASSED

Total THC 30.7182%
Total CBD 0.0149%
Total Cannabinoids 35.5390% **Q3**

	D9-THC	THCA	CBD	CBDA	CBG	CBGA	CBN	D8-THC	THCV	CBDV	CBC
%	0.6020	34.3400	ND	0.0170	ND	0.5800	ND	ND	ND	ND	ND
mg/g	6.0200	343.4000	ND	0.1700	ND	5.8000	ND	ND	ND	ND	ND
LOD	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0001
LOQ	0.0001	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	%	%	%	%	%	%	%	%	%	%	%
Qualifier											

Analyzed by: 333, 540, 432, 802
Weight: 0.2026g
Extraction date: 03/31/26 12:58:21
Extracted by: 333,410

Analysis Method : SOP.T.30.500, SOP.T.30.031, SOP.T.40.031
Analytical Batch : TE013382POT
Instrument Used : TE-004 "Blossom"
Batch Date : 03/30/26 10:13:27
Analyzed Date : 04/01/26 15:14:09

Dilution : 400
Reagent : 032526.R07; 032526.R05; 020526.R08; 011326.R12
Consumables : 927.009; 8000038072; 25025002; 120125CH01; 1010628866; M09007V; 1010647793; 04504082; GD250003; GD250004; 326120149
Pipette : TE-072 SN:RU26833 (2-20uL); TE-074 SN:RU31707; TE-054 SN:21D58682; TE-064 SN:20B27672 (100-1000uL); TE-340 10-mL VWR Pipettor (SN: 17N4167)

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with Photo Diode Array detector (HPLC-PDA) for analysis. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.031 for sample prep, SOP.T.40.031 for analysis on Shimadzu LC-20X0 series HPLCs). Potency results for cannabis flower products are reported on an "as received" basis, without moisture correction.

Terpenes — TESTED

ANALYTES	LOD	LOQ	LIMIT	PASS/FAIL	RESULT (%)	(MG/G)	QUALIFIER
TOTAL TERPENES	0	0.0020		TESTED	1.6328	16.3280	Q3

Ariel Casey
Lab Director

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04/01/26

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El Mirage, AZ, 85335, US
License # : 00000103DCDR00369521

Sample: TE60326004-007
Batch #: 032026MFRM12

Ordered: 03/24/26
Sampled: 03/26/26
Completed: 04/01/26

PASSED

Terpenes

TESTED

ANALYTES	LOD	LOQ	LIMIT	PASS/FAIL	RESULT (%)	(MG/G)	QUALIFIER
BETA-MYRCENE	0	0.0020		TESTED	0.7901	7.9010	Q3
BETA-CARYOPHYLLENE	0	0.0020		TESTED	0.2008	2.0080	Q3
ALPHA-PINENE	0	0.0020		TESTED	0.1825	1.8250	Q3
LIMONENE	0	0.0020		TESTED	0.1775	1.7750	Q3
BETA-PINENE	0	0.0020		TESTED	0.1072	1.0720	Q3
ALPHA-HUMULENE	0	0.0020		TESTED	0.0845	0.8450	Q3
ALPHA-BISABOLOL	0	0.0020		TESTED	0.0308	0.3080	Q3
FENCHYL ALCOHOL	0	0.0020		TESTED	0.0300	0.3000	Q3
ALPHA-TERPINEOL	0	0.0020		TESTED	0.0252	0.2520	Q3
LINALOOL	0	0.0020		TESTED	0.0042	0.0420	Q3
3-CARENE	0	0.0020		TESTED	ND	ND	Q3
BORNEOL	0	0.0020		TESTED	ND	ND	Q3
CAMPHENE	0	0.0020		TESTED	ND	ND	Q3
CAMPHOR	0	0.0020		TESTED	ND	ND	Q3
CARYOPHYLLENE OXIDE	0	0.0020		TESTED	ND	ND	Q3
CEDROL	0	0.0020		TESTED	ND	ND	Q3
EUCALYPTOL	0	0.0020		TESTED	ND	ND	Q3
FENCHONE	0	0.0020		TESTED	ND	ND	Q3
GERANIOL	0	0.0020		TESTED	ND	ND	Q3
GERANYL ACETATE	0	0.0020		TESTED	ND	ND	Q3
GUAIOL	0	0.0020		TESTED	ND	ND	Q3
ISOBORNEOL	0	0.0020		TESTED	ND	ND	Q3
ISOPULEGOL	0	0.0020		TESTED	ND	ND	Q3
MENTHOL	0	0.0020		TESTED	ND	ND	Q3
NEROL	0	0.0020		TESTED	ND	ND	Q3
OCIMENE	0	0.0020		TESTED	ND	ND	Q3
PULEGONE	0	0.0020		TESTED	ND	ND	Q3
SABINENE	0	0.0020		TESTED	ND	ND	Q3
SABINENE HYDRATE	0	0.0020		TESTED	ND	ND	Q3
TERPINOLENE	0	0.0020		TESTED	ND	ND	Q3
VALENCENE	0	0.0020		TESTED	ND	ND	Q3
ALPHA-CEDRENE	0	0.0020		TESTED	ND	ND	Q3
ALPHA-PHELLANDRENE	0	0.0020		TESTED	ND	ND	Q3
ALPHA-TERPINENE	0	0.0020		TESTED	ND	ND	Q3
CIS-NEROLIDOL	0	0.0004		TESTED	ND	ND	Q3
GAMMA-TERPINENE	0	0.0020		TESTED	ND	ND	Q3
TRANS-NEROLIDOL	0	0.0006		TESTED	ND	ND	Q3

Analyzed by: 432, 272, 802
Weight: 0.9985g
Extraction date: 03/30/26 20:17:15
Extracted by: 432

Analysis Method : SOP.T.30.500, SOP.T.30.064, SOP.T.40.064
Analytical Batch : TE013397TER
Instrument Used : TE-096 "MS - Terpenes 1"
Batch Date : 03/30/26 18:19:16
Analyzed Date : 04/01/26 17:11:47

Dilution : 5
Reagent : N/A
Consumables : N/A
Pipette : N/A

Terpenes screening is performed using GC-MS which can detect below single digit ppm concentrations. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.064 for sample prep, and SOP.T.40.064 for analysis via ThermoScientific 1310-series GC equipped with an AI 1310-series liquid injection autosampler and detection carried out by ISQ 7000-series mass spectrometer). Terpene results are reported on a wt/wt% basis. Testing result is for informational purposes only and cannot be used to satisfy dispensary testing requirements in R9-17-317.01(A) or labeling requirements in R9-17-317. Nor, can it be used to satisfy marijuana establishment testing requirements in R9-18-311(A) or labeling requirements in R9-18-310 – Q3.

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Sample: TE60326004-007
Batch #: 032026MFRM12

Ordered: 03/24/26
Sampled: 03/26/26
Completed: 04/01/26

PASSED

Pesticide

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
AVERMECTINS (ABAMECTIN B1A)	ppm	0.0170	0.2500	0.5	PASS	ND	
ACEPHATE	ppm	0.0100	0.2000	0.4	PASS	ND	
ACETAMIPRID	ppm	0.0050	0.1000	0.2	PASS	ND	
ALDICARB	ppm	0.0140	0.2000	0.4	PASS	ND	
AZOXYSTROBIN	ppm	0.0050	0.1000	0.2	PASS	ND	
BIFENAZATE	ppm	0.0060	0.1000	0.2	PASS	ND	
BIFENTHRIN	ppm	0.0050	0.1000	0.2	PASS	ND	
BOSCALID	ppm	0.0050	0.2000	0.4	PASS	ND	
CARBARYL	ppm	0.0080	0.1000	0.2	PASS	ND	
CARBOFURAN	ppm	0.0050	0.1000	0.2	PASS	ND	
CHLORANTRANILIPROLE	ppm	0.0110	0.1000	0.2	PASS	ND	
CHLORPYRIFOS	ppm	0.0050	0.1000	0.2	PASS	ND	
CLOFENTEZINE	ppm	0.0100	0.1000	0.2	PASS	ND	
CYPERMETHRIN	ppm	0.1000	0.5000	1	PASS	ND	
DAMINOZIDE	ppm	0.0100	0.5000	1	PASS	ND	
DIAZINON	ppm	0.0060	0.1000	0.2	PASS	ND	
DICHLORVOS (DDVP)	ppm	0.0010	0.0500	0.1	PASS	ND	
DIMETHOATE	ppm	0.0060	0.1000	0.2	PASS	ND	
ETHOPROPHOS	ppm	0.0040	0.1000	0.2	PASS	ND	
ETOFENPROX	ppm	0.0060	0.2000	0.4	PASS	ND	
ETOXAZOLE	ppm	0.0040	0.1000	0.2	PASS	ND	
FENOXYCARB	ppm	0.0050	0.1000	0.2	PASS	ND	
FENPYROXIMATE	ppm	0.0040	0.2000	0.4	PASS	ND	
FIPRONIL	ppm	0.0060	0.2000	0.4	PASS	ND	
FLONICAMID	ppm	0.0090	0.5000	1	PASS	ND	
FLUDIOXONIL	ppm	0.0060	0.2000	0.4	PASS	ND	
HEXYTHIAZOX	ppm	0.0050	0.5000	1	PASS	ND	
IMAZALIL	ppm	0.0110	0.1000	0.2	PASS	ND	
IMIDACLOPRID	ppm	0.0080	0.2000	0.4	PASS	ND	
KRESOXIM-METHYL	ppm	0.0070	0.2000	0.4	PASS	ND	
MALATHION	ppm	0.0070	0.1000	0.2	PASS	ND	
METALAXYL	ppm	0.0040	0.1000	0.2	PASS	ND	
METHIOCARB	ppm	0.0040	0.1000	0.2	PASS	ND	
METHOMYL	ppm	0.0050	0.2000	0.4	PASS	ND	
MYCLOBUTANIL	ppm	0.0100	0.1000	0.2	PASS	ND	
NALED	ppm	0.0070	0.2500	0.5	PASS	ND	
OXAMYL	ppm	0.0080	0.5000	1	PASS	ND	
PACLOBUTRAZOL	ppm	0.0050	0.2000	0.4	PASS	ND	
TOTAL PERMETHRINS	ppm	0.0030	0.1000	0.2	PASS	ND	
PHOSMET	ppm	0.0100	0.1000	0.2	PASS	ND	
PIPERONYL BUTOXIDE	ppm	0.0050	1.0000	2	PASS	ND	
PRALLETHRIN	ppm	0.0130	0.1000	0.2	PASS	ND	
PROPICONAZOLE	ppm	0.0050	0.2000	0.4	PASS	ND	
PROPOXUR	ppm	0.0050	0.1000	0.2	PASS	ND	
TOTAL PYRETHRINS	ppm	0.0010	0.5000	1	PASS	ND	
PYRIDABEN	ppm	0.0040	0.1000	0.2	PASS	ND	
TOTAL SPINOSAD	ppm	0.0060	0.1000	0.2	PASS	ND	
SPIROMESIFEN	ppm	0.0080	0.1000	0.2	PASS	ND	
SPIROTETRAMAT	ppm	0.0060	0.1000	0.2	PASS	ND	
SPIROXAMINE	ppm	0.0040	0.2000	0.4	PASS	ND	
TEBUCONAZOLE	ppm	0.0040	0.2000	0.4	PASS	ND	
THIACLOPRID	ppm	0.0060	0.1000	0.2	PASS	ND	
THIAMETHOXAM	ppm	0.0060	0.1000	0.2	PASS	ND	
TRIFLOXYSTROBIN	ppm	0.0060	0.1000	0.2	PASS	ND	
CHLORFENAPYR	ppm	0.0270	0.5000	1	PASS	ND	

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Ordered: 03/24/26
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Completed: 04/01/26

PASSED

Pesticide

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
CYFLUTHRIN	ppm	0.0150	0.5000	1	PASS	ND	

Analyzed by: 410, 272, 802
Weight: 0.9756g
Extraction date: 03/31/26 12:57:21
Extracted by: 803

Analysis Method : SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.104.AZ
Analytical Batch : TE013354PES
Instrument Used : TE-262 - "MS/MS PES/VOL/MYC 2",TE-117 LC - "PES/VOL/MYC 2"
Batch Date : 03/27/26 09:38:41
Analyzed Date : 04/01/26 12:44:50

Dilution : 50
Reagent : 022626.R25; 022326.R24; 022626.R24; 032526.R14; 032526.R13; 032526.R12; 022426.R12; 031026.R08; 032526.R19
Consumables : 927.114; 8000038072; 120125CH01; 250925-6306-F; 1010647793; GD250005
Pipette : TE-062 SN:20C50491; TE-064 SN:20B27672 (100-1000uL)

Pesticide screening is carried out using LC-MS/MS (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.104.AZ for sample prep, and SOP.T.40.104.AZ for analysis on ThermoScientific Altis TSQ with Vanquish UHPLC).

Analyzed by: 410, 272, 802
Weight: 0.9756g
Extraction date: 03/31/26 12:57:21
Extracted by: 803

Analysis Method : SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.154.AZ
Analytical Batch : TE013424VOL
Instrument Used : TE-118 "MS/MS Pest/Myco 1",TE-261 "UHPLC - Pest/Myco 1
Batch Date : 04/01/26 10:06:44
Analyzed Date : 04/01/26 12:48:02

Dilution : 50
Reagent : 022626.R25; 022326.R24; 022626.R24; 032526.R14; 032526.R13; 032526.R12; 022426.R12; 031026.R08; 032526.R19
Consumables : 927.114; 8000038072; 120125CH01; 250925-6306-F; 1010647793; GD250005
Pipette : TE-062 SN:20C50491; TE-064 SN:20B27672 (100-1000uL)

Chlorfenapyr and Cyfluthrin analysis using LC-MS/MS. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.104.AZ for sample prep, and SOP.T.40.104.AZ for analysis on ThermoScientific Altis TSQ with Vanquish UHPLC)

Microbial

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
SALMONELLA SPP.					PASS	Not Detected in 1g	
ASPERGILLUS FLAVUS					PASS	Not Detected in 1g	
ASPERGILLUS FUMIGATUS					PASS	Not Detected in 1g	
ASPERGILLUS NIGER					PASS	Not Detected in 1g	
ASPERGILLUS TERREUS					PASS	Not Detected in 1g	
ESCHERICHIA COLI (REC)	CFU/g	10.0000	10.0000	100	PASS	ND	

Analyzed by: 331, 272, 802
Weight: 0.9387g
Extraction date: 03/31/26 11:32:36
Extracted by: 331

Analysis Method : SOP.T.40.056B, SOP.T.40.058.FL, SOP.T.40.208, SOP.T.40.209.AZ
Analytical Batch : TE013391MIC
Instrument Used : TE-234 "bioMerieux GENE-UP"
Batch Date : 03/30/26 15:28:31
Analyzed Date : 04/01/26 17:08:31

Dilution : 10
Reagent : N/A
Consumables : N/A
Pipette : N/A

Microbiological screening for bacterial and fungal identification via Polymerase Chain Reaction (PCR) methods consisting of sample DNA amplified via tandem PCR as a crude lysate without purification. (Methods: SOP.T.40.058.AZ for sample prep and screening for Salmonella and Aspergillus sp. via BioMérieux GENE-UP RT-PCR and SOP.T.40.209.AZ for quantitative plating of E. coli on 3M Rapid E. coli Petrifilm.

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PASSED

Mycotoxins

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
TOTAL AFLATOXINS	ppb	3.0300	10.0000	20	PASS	ND	
AFLATOXIN B1	ppb	3.0300	10.0000	20	PASS	ND	
AFLATOXIN B2	ppb	3.0300	10.0000	20	PASS	ND	
AFLATOXIN G1	ppb	3.0300	10.0000	20	PASS	ND	
AFLATOXIN G2	ppb	3.0300	10.0000	20	PASS	ND	
OCHRATOXIN A	ppb	3.0300	10.0000	20	PASS	ND	

Analyzed by: 410, 272, 802
Weight: 0.9756g
Extraction date: 03/31/26 12:57:21
Extracted by: 803

Analysis Method : SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.104.AZ
Analytical Batch : TE013426MYC
Instrument Used : TE-118 "MS/MS Pest/Myco 1",TE-261 "UHPLC - Pest/Myco 1
Batch Date : 04/01/26 10:07:17
Analyzed Date : 04/01/26 12:51:48

Dilution : 50
Reagent : 022626.R25; 022326.R24; 022626.R24; 032526.R14; 032526.R13; 032526.R12; 022426.R12; 031026.R08; 032526.R19
Consumables : 927.114; 8000038072; 120125CH01; 250925-6306-F; 1010647793; GD250005
Pipette : TE-062 SN:20C50491; TE-064 SN:20B27672 (100-1000uL)

Aflatoxins B1, B2, G1, G2, and Ochratoxin A analysis using LC-MS/MS. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.104.AZ for sample prep, and SOP.T.40.104.AZ for analysis on ThermoScientific Altis TSQ with Vanquish UHPLC). Total Aflatoxins (sum of Aflotoxins B1, B2, G1, G2) must be <20µg/kg. Ochratoxin must be <20µg/kg.

Heavy Metals

PASSED

ANALYTES	UNIT	LOD	LOQ	LIMIT	PASS/FAIL	RESULT	QUALIFIER
ARSENIC	ppm	0.0660	0.2000	0.4	PASS	ND	
CADMIUM	ppm	0.0660	0.2000	0.4	PASS	ND	
LEAD	ppm	0.1660	0.5000	1	PASS	ND	
MERCURY	ppm	0.0333	0.1000	0.2	PASS	ND	

Analyzed by: 398, 272, 802
Weight: 0.2g
Extraction date: 03/31/26 16:12:57
Extracted by: 802,398

Analysis Method : SOP.T.30.500, SOP.T.30.084.AZ, SOP.T.40.084.AZ
Analytical Batch : TE013412HEA
Instrument Used : TE-141 "Wolfgang",TE-260 "Ludwig",TE-307 "Ted"
Batch Date : 03/31/26 13:18:27
Analyzed Date : 04/01/26 10:09:40

Dilution : 50
Reagent : 122624.33; 032326.R06; 032526.R10; 033026.R05; 111125.04; 030626.04; 090222.04
Consumables : 120125CH01; 250925-6306-F; 1010435125; GD250003
Pipette : TE-063 SN:20C50490 (20-200uL); TE-110 SN:20B18338 (100-1000uL); TE-169 SN: 20B16352 (Nitric Acid)

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.084.AZ for sample prep by microwave digestion, and SOP.T.40.084.AZ for analysis by ThermoScientific iCAP RQ ICP-MS).

CONFIDENT CANNABIS QR

* Confident Cannabis sample ID: 2603KLAZ0393.2004

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Lab Director

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