



Certificate of Analysis

Sample: TE40110007-011
 Batch#: 113023P1
 Batch Date: 01/10/24
 Sample Size Received: 29.12 gram
 Total Amount: 7 gram
 Retail Product Size: 10 gram
 Ordered: 01/10/24
 Sampled: 01/10/24
 Completed: 01/18/24

PASSED

Pages 1 of 6

Jan 18, 2024 | Curaleaf_AZ
 License # 00000053DCXB00858835
 3333 S Central Ave
 Phoenix, AZ, 85040, US



PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
 NOT TESTED



Water Activity
 NOT TESTED



Moisture
 NOT TESTED



Terpenes
 NOT TESTED

MISC.



Cannabinoid

PASSED



Total THC
86.0030%



Total CBD
1.0657%



Total Cannabinoids
92.7566%

	D9-THC	THCA	CBD	CBDA	CBG	CBGA	CBN	D8-THC	THCV	CBDV	CBC
%	86.0030	ND	1.0657	ND	3.1272	ND	1.5398	ND	0.3606	ND	0.6603
mg/g	860.030	ND	10.657	ND	31.272	ND	15.398	ND	3.606	ND	6.603
LOD	%	%	%	0.0020	0.0020	0.0010	0.0010	0.0020	0.0020	0.0020	0.0010

Analyzed by: 312, 272, 331 Weight: 0.1692g Extraction date: 01/12/24 11:59:23 Extracted by: 312
 Analysis Method : SOP.T.30.500, SOP.T.30.031, SOP.T.40.031
 Analytical Batch : TE003620POT Reviewed On : 01/18/24 15:13:36
 Instrument Used : TE-005 "Lady Jessica" (Concentrates) Batch Date : 01/11/24 09:15:12
 Analyzed Date : 01/12/24 11:29:32

Dilution : 800
 Reagent : 010224.02; 011124.R01; 011224.R06; 112123.R02; 110223.R03
 Consumables : 947.100; 00335006-5; 1008439554; 052423CH02; 210823-1124; 210725-598-D; GD220011
 Pipette : TE-059 SN:20A04528 (20-200uL); TE-065 SN:20B18327 (100-1000uL); TE-164 SN: 21H24198 (Isopropanol)

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.

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Ariel Gonzales

Lab Director

State License #
 0000024LCMD66604568
 ISO 17025 Accreditation # 97164



Signature
 01/18/24



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Tempe, AZ, 85284, US
(480) 220-4470

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PASSED

Curaleaf_AZ

Sample : TE40110007-011

3333 S Central Ave
Phoenix, AZ, 85040, US
Telephone: (602) 842-0020
Email: christopher.paternoster@curaleaf.com
License # : 00000053DCXB00858835

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Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
AVERMECTINS (ABAMECTIN B1A)	0.0170	ppm	0.5	PASS	ND	TOTAL SPINOSAD	0.0060	ppm	0.2	PASS	ND
ACEPHATE	0.0100	ppm	0.4	PASS	ND	SPIROMESIFEN	0.0080	ppm	0.2	PASS	ND
ACETAMIPRID	0.0050	ppm	0.2	PASS	ND	SPIROTRAMAT	0.0060	ppm	0.2	PASS	ND
ALDICARB	0.0140	ppm	0.4	PASS	ND	SPIROXAMINE	0.0040	ppm	0.4	PASS	ND
AZOXYSTROBIN	0.0050	ppm	0.2	PASS	ND	TEBUCONAZOLE	0.0040	ppm	0.4	PASS	ND
BIFENAZATE	0.0060	ppm	0.2	PASS	ND	THIACLOPRID	0.0060	ppm	0.2	PASS	ND
BIFENTHRIN	0.0050	ppm	0.2	PASS	ND	THIAMETHOXAM	0.0060	ppm	0.2	PASS	ND
BOSCALID	0.0050	ppm	0.4	PASS	ND	TRIFLOXYSTROBIN	0.0060	ppm	0.2	PASS	ND
CARBARYL	0.0080	ppm	0.2	PASS	ND	CHLORFENAPYR *	0.0270	ppm	1	PASS	ND
CARBOFURAN	0.0050	ppm	0.2	PASS	ND	CYFLUTHRIN *	0.0150	ppm	1	PASS	ND
CHLORANTRANILIPROLE	0.0110	ppm	0.2	PASS	ND						
CHLORPYRIFOS	0.0050	ppm	0.2	PASS	ND						
CLOFENTAZINE	0.1000	ppm	1	PASS	ND						
CYPERMETHRIN	0.0060	ppm	0.2	PASS	ND						
DIAZINON	0.0100	ppm	1	PASS	ND						
DAMINOZIDE	0.0010	ppm	0.1	PASS	ND						
DICHLORVOS (DDVP)	0.0060	ppm	0.2	PASS	ND						
DIMETHOATE	0.0040	ppm	0.2	PASS	ND						
ETHOPROPHOS	0.0060	ppm	0.4	PASS	ND						
ETOFENPROX	0.0040	ppm	0.2	PASS	ND						
ETOXAZOLE	0.0050	ppm	0.2	PASS	ND						
FENOXICARB	0.0040	ppm	0.4	PASS	ND						
FENPROXIMATE	0.0060	ppm	0.4	PASS	ND						
FIPRONIL	0.0090	ppm	1	PASS	ND						
FLONICAMID	0.0060	ppm	0.4	PASS	ND						
FLUDIOXONIL	0.0050	ppm	1	PASS	ND						
HEXTHIAZOX	0.0110	ppm	0.2	PASS	ND						
IMAZALIL	0.0080	ppm	0.4	PASS	ND						
IMIDACLOPRID	0.0070	ppm	0.4	PASS	ND						
KRESOXIM-METHYL	0.0070	ppm	0.2	PASS	ND						
MALATHION	0.0040	ppm	0.2	PASS	ND						
METALAXYL	0.0040	ppm	0.2	PASS	ND						
METHIOCARB	0.0050	ppm	0.4	PASS	ND						
METHOMYL	0.0100	ppm	0.2	PASS	ND						
MYCLOBUTANIL	0.0070	ppm	0.5	PASS	ND						
NALED	0.0080	ppm	1	PASS	ND						
OXAMYL	0.0050	ppm	0.4	PASS	ND						
PACLOBUTRAZOL	0.0030	ppm	0.2	PASS	ND						
TOTAL PERMETHRINS	0.1000	ppm	0.2	PASS	ND						
PHOSMET	0.0050	ppm	2	PASS	ND						
PIPERONYL BUTOXIDE	0.0130	ppm	0.2	PASS	ND						
PRALLETHRIN	0.0050	ppm	0.4	PASS	ND						
PROPRICONAZOLE	0.0050	ppm	0.2	PASS	ND						
PROPOXUR	0.0010	ppm	1	PASS	ND						
TOTAL PYRETHRINS	0.0040	ppm	0.2	PASS	ND						
PYRIDABEN											

Analyzed by: 152, 39, 272, 331 **Weight:** 0.4922g **Extraction date:** 01/12/24 16:46:49 **Extracted by:** 152
Analysis Method: SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.104.AZ
Analytical Batch: TE003632PES **Reviewed On:** 01/16/24 12:11:18
Instrument Used: TE-118 *MS/MS Pest/Myco 1*, TE-261 *UHPLC - Pest/Myco 2* **Batch Date:** 01/11/24 13:55:46
Analyzed Date: 01/12/24 19:37:38
Dilution: 25
Reagent: 121823.R08; 110623.R13; 121523.R06; 122623.R01; 121223.R11; 110623.R01; 041823.06
Consumables: 22054013; 00334958-S; 1008443837; 28521042; 210823-1124; 090623; 1008451138; GD220011; 3230800Y
Pipette: TE-056 SN:21D58687; TE-060 SN:20C35457 (20-200uL); TE-108 SN:20B18337 (100-1000uL)
 Pesticide screening is carried out using LC-MS/MS supplemented by GC-MS/MS for volatile pesticides. (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: 152, 39, 272, 331 **Weight:** 0.4922g **Extraction date:** 01/12/24 16:46:49 **Extracted by:** 152
Analysis Method: SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.154.AZ
Analytical Batch: TE003658VOL **Reviewed On:** 01/16/24 12:15:46
Instrument Used: TE-118 *MS/MS Pest/Myco 1*, TE-261 *UHPLC - Pest/Myco 2* **Batch Date:** 01/16/24 11:33:48
Analyzed Date: N/A
Dilution: 25
Reagent: 121823.R08; 110623.R13; 121523.R06; 122623.R01; 121223.R11; 110623.R01; 041823.06
Consumables: 22054013; 00334958-S; 1008443837; 28521042; 210823-1124; 090623; 1008451138; GD220011; 3230800Y
Pipette: TE-056 SN:21D58687; TE-060 SN:20C35457 (20-200uL); TE-108 SN:20B18337 (100-1000uL)
 Supplemental pesticide screening using GC-MS/MS to quantitatively screen for Chlorfenapyr, Cyfluthrin, Cypermethrin, and Diazinon; as well as the qualitative confirmation of Dichlorvos, Permethrins, Piperonyl Butoxide, Prallethrin, Propiconazole, Pyrethrins, and Tebuconazole which are all quantitatively screened using LC-MS/MS. (Methods: SOP.T.30.500 for sample homogenization, SOP.T.30.104.AZ for sample prep, and SOP.T.40.154.AZ for analysis using a ThermoScientific 1310-series GC equipped with a TriPlus RSH autosampler and detected on a TSQ 9000-series mass spectrometer).

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Ariel Gonzales

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Signature
01/18/24



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PASSED

Curaleaf_AZ


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 Phoenix, AZ, 85040, US
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 Email: christopher.paternoster@curaleaf.com
 License # : 00000053DCXB00858835

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 Sample Method : SOP Client Method

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Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
BUTANES	168.2000	ppm	5000	PASS	ND
METHANOL	87.7000	ppm	3000	PASS	ND
PENTANES	163.9000	ppm	5000	PASS	ND
ETHANOL	142.2000	ppm	5000	PASS	ND
ETHYL ETHER	193.1000	ppm	5000	PASS	ND
ACETONE	37.6000	ppm	1000	PASS	ND
2-PROPANOL	156.2000	ppm	5000	PASS	ND
ACETONITRILE	12.2000	ppm	410	PASS	ND
DICHLOROMETHANE	22.7000	ppm	600	PASS	ND
HEXANES	8.4000	ppm	290	PASS	ND
ETHYL ACETATE	179.0000	ppm	5000	PASS	ND
CHLOROFORM	2.4100	ppm	60	PASS	ND
BENZENE	0.1150	ppm	2	PASS	ND
ISOPROPYL ACETATE	168.6000	ppm	5000	PASS	ND
HEPTANE	152.8000	ppm	5000	PASS	ND
TOLUENE	26.2000	ppm	890	PASS	ND
XYLENES	53.2000	ppm	2170	PASS	ND

Analyzed by: 334, 272, 331	Weight: 0.0213g	Extraction date: 01/11/24 12:52:48	Extracted by: 331
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 Analysis Method : SOP.T.40.044.AZ
 Analytical Batch : TE003628SOL
 Instrument Used : TE-092 "GC - Solvents 1", TE-095 "MS - Solvents 1", TE-098 "Injector - Solvents 1", TE-100 "HS - Solvents 1", TE-113 "Vacuum Pump - Solvents 1"
 Reviewed On : 01/12/24 15:36:27
 Batch Date : 01/11/24 12:49:43

Analyzed Date : 01/11/24 13:33:48

 Dilution : N/A
 Reagent : 100721.02; 032023.04; 032023.03
 Consumables : H109203-1; 428251; 19000-1; GD220011
 Pipette : N/A

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. (Method: SOP.T.40.044.AZ for sample prep and analysis via ThermoScientific 1310-series GC equipped with a TriPlus 500 Headspace autosampler and detection carried out by ISQ7000-series mass spectrometer). Butanes are reported as the sum of n-Butane and Isobutane. Pentanes are reported as the sum of n-Pentane, Isopentane, and Neopentane. Hexanes are reported as the sum of n-Hexane, 2-Methylpentane, 3-Methylpentane, 2,2-Dimethylbutane, and 2,3-Dimethylbutane. Xylenes are reported as the sum of Ethyl Benzene, m-Xylene, p-Xylene, and o-Xylene.



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
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 Microbial PASSED						 Mycotoxins PASSED					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
SALMONELLA SPP			Not Present in 1g	PASS		TOTAL AFLATOXINS	1.4870	ppb	ND	PASS	20
ASPERGILLUS FLAVUS			Not Present in 1g	PASS		AFLATOXIN B1	1.4700	ppb	ND	PASS	20
ASPERGILLUS FUMIGATUS			Not Present in 1g	PASS		AFLATOXIN B2	1.8000	ppb	ND	PASS	20
ASPERGILLUS NIGER			Not Present in 1g	PASS		AFLATOXIN G1	1.9000	ppb	ND	PASS	20
ASPERGILLUS TERREUS			Not Present in 1g	PASS		AFLATOXIN G2	3.2500	ppb	ND	PASS	20
ESCHERICHIA COLI REC	10.0000	CFU/g	<10	PASS	100	OCHRATOXIN A	4.6100	ppb	ND	PASS	20
Analyzed by: 96, 87, 272, 331	Weight: 0.9236g	Extraction date: 01/11/24 10:38:00	Extracted by: 96			Analyzed by: 152, 39, 272, 331	Weight: 0.4922g	Extraction date: 01/12/24 16:46:49	Extracted by: 152		
Analysis Method : SOP.T.40.056B, SOP.T.40.058.FL, SOP.T.40.208, SOP.T.40.209.AZ Analytical Batch : TE003615MIC Reviewed On : 01/16/24 10:40:40 Instrument Used : TE-234 "bioMerieux GENE-UP" Batch Date : 01/10/24 16:15:48 Analyzed Date : 01/12/24 12:29:50						Analysis Method : SOP.T.30.500, SOP.T.30.104.AZ, SOP.T.40.104.AZ Analytical Batch : TE003659MYC Reviewed On : 01/16/24 12:18:25 Instrument Used : N/A Batch Date : 01/16/24 11:35:34 Analyzed Date : N/A					
Dilution : 10 Reagent : 110923.13; 112223.11; 112223.31; 010424.62; 101923.16; 051923.04; 011124.R10; 102523.52; 102523.40; 101923.17 Consumables : HWK015; 33T797; 210616-361-B; 1008443837; 20221115-071-B; 28521042; 052423CH02; 210823-1124; 1008451138; X0028AKTV1; X002E5BZFT Pipette : TE-053 SN:20E78952; TE-058 SN:20C35427; TE-062 SN:20C50491; TE-066 SN:20D56970; TE-069 SN:21B23920; TE-109 SN:20B18330; TE-256 Dispensette S Bottle Top Dispenser SN:20G36073; TE-258						Dilution : 25 Reagent : 121823.R08; 110623.R13; 121523.R06; 122623.R01; 121223.R11; 110623.R01; 041823.06 Consumables : 22054013; 00334958-5; 1008443837; 28521042; 210823-1124; 090623; 1008451138; GD220011; 323080IY Pipette : TE-056 SN:21D58687; TE-060 SN:20C35457 (20-200uL); TE-108 SN:20B18337 (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 Aflatoxins B1, B2, G1, G2) must be <20µg/kg. Ochratoxin must be <20µg/kg.

 Heavy Metals PASSED					
Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC	0.0030	ppm	ND	PASS	0.4
CADMIUM	0.0020	ppm	ND	PASS	0.4
MERCURY	0.0125	ppm	ND	PASS	0.2
LEAD	0.0010	ppm	ND	PASS	1
Analyzed by: 39, 272, 331	Weight: 0.2027g	Extraction date: 01/12/24 16:06:18	Extracted by: 39,331		
Analysis Method : SOP.T.30.500, SOP.T.30.084.AZ, SOP.T.40.084.AZ Analytical Batch : TE003636HEA Reviewed On : 01/16/24 09:44:55 Instrument Used : TE-051 "Metals Hood",TE-153 "Bill",TE-157 "Bill Pump",TE-156 "Bill Chiller",TE-155 "Bill AS",TE-260 "Ludwig" Analyzed Date : 01/12/24 14:49:05					
Dilution : 50 Reagent : 101723.13; 011124.R20; 122723.R03; 091123.02; 122223.01; 100121.01 Consumables : 12698-337CE-337E; 28521042; 210823-1124; 210725-598-D Pipette : 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).



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COMMENTS

* Confident Cannabis sample ID: 2401KLAZ0020.0075



* Pesticide TE40110007-011PES

1 - M1: Avermectins (Abamectin B1a), Prallethrin, Spirotetramat. M2: Chlorpyrifos, Hexythiazox.

* Cannabinoid TE40110007-011POT

1 - M1: CBN

* Cannabinoid TE40110007-011POT-RE1

1 - M1: CBD

* Cannabinoid TE40110007-011POT-RE1A

1 - M1: CBD

* Cannabinoid TE40110007-011POT-RE2

1 - M1: CBD

* Cannabinoid TE40110007-011POT-RE2A

1 - M1: CBD



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Kaycha Labs

.....
113023P1
Matrix : Concentrate
Type: Distillate



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