



Certificate of Analysis

Pages 1 of 5

PASSED



Harvest/Lot ID: 207LME022625
Batch #: 207LME022625
Harvest Date: 02/26/25
Manufacturing Date: 03/21/25
Production Method: Indoor
Retail Product Size: 16.00 gram
Retail Serving Size: 16
Servings: 1

Lab ID: TE50321005-001
Sampled: 03/21/25
Sampling Method: N/A
Completed: 03/25/25
Sample Collection Time: 10:45 AM
Expire: 03/25/26

Sonoran Roots

550 W. McKellips Rd
Mesa, AZ, 85201, US

License #: 00000037DCDM00904008



Cannabinoid

PASSED



Total THC
25.1957%



Total CBD
ND



Total Cannabinoids Q3
30.5366%

	D9-THC	THCA	CBD	CBDA	CBG	CBGA	CBN	D8-THC	THCV	CBDV	CBC
%	0.5217	28.1346	ND	ND	0.1294	1.7509	ND	ND	ND	ND	ND
mg/g	5.217	281.346	ND	ND	1.294	17.509	ND	ND	ND	ND	ND
LOQ	0.0001	0.0001	0.0001	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0001
%	%	%	%	%	%	%	%	%	%	%	%

Qualifier

Analyzed by:
432, 547, 572

Weight:
0.2028g

Extraction date:
03/21/25 18:49:18

Extracted by:
333

Analysis Method : N/A

Analytical Batch : TE008142POT

Instrument Used : TE-004 "Blossom" (Flower)

Analyzed Date : 03/24/25 14:45:32

Batch Date : 03/21/25 11:41:25

Dilution : 400

Reagent : N/A

Consumables : N/A

Pipette : N/A

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.

SAFETY RESULTS

MISC.



Pesticide
PASSED



Heavy Metals
PASSED



Microbial
PASSED



Mycotoxins
PASSED



Solvents
NOT TESTED



Filtration
NOT TESTED



Water Activity
NOT TESTED



Moisture Content
NOT TESTED



Vitamin E
NOT TESTED



Terpenes
TESTED

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Madison Levy

Lab Director

State License #
00000024LCMD66604568
ISO 17025 Accreditation #
97164

Signature

Signature
03/25/25



Certificate of Analysis

Pages 2 of 5

Sample: TE50321005-001
Sonoran Roots
Telephone: (480) 298-0248
Email: nick.cerimeli@sonoranroots.com

Harvest/Lot ID: 207LME022625
Batch #: 207LME022625

Ordered: 03/21/25
Sampled: 03/21/25
Completed: 03/25/25

PASSED



Terpenes

TESTED

ANALYTES	UNIT	LOD	LOQ	ACTION LEVEL	PASS/FAIL	RESULT	QUALIFIER
TOTAL TERPENES	mg	0	0.002		TESTED	2.1238	Q3
ALPHA-PINENE	mg	0	0.002		TESTED	0.0537	Q3
CAMPHENE	mg	0	0.002		TESTED	ND	
SABINENE	mg	0	0.002		TESTED	ND	
BETA-PINENE	mg	0	0.002		TESTED	0.0874	Q3
BETA-MYRCENE	mg	0	0.002		TESTED	0.1897	Q3
ALPHA-PHELLANDRENE	mg	0	0.002		TESTED	ND	
3-CARENE	mg	0	0.002		TESTED	ND	
ALPHA-TERPINENE	mg	0	0.002		TESTED	ND	
LIMONENE	mg	0	0.002		TESTED	ND	
EUCALYPTOL	mg	0	0.002		TESTED	ND	
OCIMENE	mg	0	0.002		TESTED	0.4054	Q3
GAMMA-TERPINENE	mg	0	0.002		TESTED	ND	
SABINENE HYDRATE	mg	0	0.002		TESTED	ND	
TERPINOLENE	mg	0	0.002		TESTED	1.0378	Q3
FENCHONE	mg	0	0.002		TESTED	ND	
LINALOOL	mg	0	0.002		TESTED	ND	
FENCHYL ALCOHOL	mg	0	0.002		TESTED	ND	
ISOPULEGOL	mg	0	0.002		TESTED	ND	
CAMPHOR	mg	0	0.002		TESTED	ND	
ISOBORNEOL	mg	0	0.002		TESTED	ND	
BORNEOL	mg	0	0.002		TESTED	ND	
MENTHOL	mg	0	0.002		TESTED	ND	
ALPHA-TERPINEOL	mg	0	0.002		TESTED	ND	
GAMMA-TERPINEOL	mg	0	0.002		TESTED	ND	
NEROL	mg	0	0.002		TESTED	ND	
PULEGONE	mg	0	0.002		TESTED	ND	
GERANIOL	mg	0	0.002		TESTED	ND	
GERANYL ACETATE	mg	0	0.002		TESTED	ND	
ALPHA-CEDRENE	mg	0	0.002		TESTED	ND	
BETA-CARYOPHYLLENE	mg	0	0.002		TESTED	0.2439	Q3
ALPHA-HUMULENE	mg	0	0.002		TESTED	0.1059	Q3
VALENCENE	mg	0	0.002		TESTED	ND	
CIS-NEROLIDOL	mg	0	0.002		TESTED	ND	
TRANS-NEROLIDOL	mg	0	0.002		TESTED	ND	
CARYOPHYLLENE OXIDE	mg	0	0.002		TESTED	ND	
GUAJOL	mg	0	0.002		TESTED	ND	
CEDROL	mg	0	0.002		TESTED	ND	
ALPHA-BISABOLOL	mg	0	0.002		TESTED	ND	

Analyzed by: 445, 334, 547, 572	Weight: 0.2486g	Extraction date: 03/21/25 17:01:44	Extracted by: 445
Analysis Method : N/A			
Analytical Batch : TE008150TER			
Instrument Used : TE-096 "MS - Terpenes 1", TE-097 "AS - Terpenes 1", TE-093 "GC - Terpenes 1"			
Batch Date : 03/21/25 15:48:26			
Analyzed Date : 03/25/25 15:25:42			
Dilution : N/A			
Reagent : 110124.06; 031025.02			
Consumables : 0000179471; 9479291.162; H109203-1; 8000038072; 20240202; 1; 04402004; GD240003			
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.



Pesticide

PASSED

ANALYTES	UNIT	LOD	LOQ	ACTION LEVEL	PASS/FAIL	RESULT	QUALIFIER
AVERMECTINS (ABAMECTIN B1A)	mg	0.017	0.25	0.5	PASS	ND	

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Madison Levy
Lab Director
State License #
00000024LCMD66604568
ISO 17025 Accreditation #
97164

Madison Levy
Signature
03/25/25



1231 W. Warner Road, Suite 105
Tempe, AZ, 85284, US
(561) 322-9740

Kaycha Labs
Joels Lemonade (Batch ID: 207LME022625)
Joels Lemonade
Matrix: Flower
Classification: Sativa
Type: Flower-Cured



Certificate of Analysis

Pages 3 of 5

Sample: TE50321005-001

Sonoran Roots

Telephone: (480) 298-0248

Email: nick.cerimeli@sonoranroots.com

Harvest/Lot ID: 207LME022625

Batch #: 207LME022625

Ordered: 03/21/25

Sampled: 03/21/25

Completed: 03/25/25

PASSED



Pesticide

PASSED

ANALYTES	UNIT	LOD	LOQ	ACTION LEVEL	PASS/FAIL	RESULT	QUALIFIER
ACEPHATE	mg	0.01	0.2	0.4	PASS	ND	
ACETAMIPRID	mg	0.005	0.1	0.2	PASS	ND	
ALDICARB	mg	0.014	0.2	0.4	PASS	ND	
AZOXYSTROBIN	mg	0.005	0.1	0.2	PASS	ND	
BIFENAZATE	mg	0.006	0.1	0.2	PASS	ND	
BIFENTHRIN	mg	0.005	0.1	0.2	PASS	ND	
BOSCALID	mg	0.005	0.2	0.4	PASS	ND	
CARBARYL	mg	0.008	0.1	0.2	PASS	ND	
CARBOFURAN	mg	0.005	0.1	0.2	PASS	ND	
CHLORANTRANILIPROLE	mg	0.011	0.1	0.2	PASS	ND	
CHLORPYRIFOS	mg	0.005	0.1	0.2	PASS	ND	
CLOFENTEZINE	mg	0.01	0.1	0.2	PASS	ND	
CYPERMETHRIN	mg	0.1	0.5	1	PASS	ND	
DIAZINON	mg	0.006	0.1	0.2	PASS	ND	
DAMINOZIDE	mg	0.01	0.5	1	PASS	ND	
DICHLORVOS (DDVP)	mg	0.001	0.05	0.1	PASS	ND	
DIMETHOATE	mg	0.006	0.1	0.2	PASS	ND	
ETHOPROPHOS	mg	0.004	0.1	0.2	PASS	ND	
ETOFENPROX	mg	0.006	0.2	0.4	PASS	ND	
ETOXAZOLE	mg	0.004	0.1	0.2	PASS	ND	
FENOXYCARB	mg	0.005	0.1	0.2	PASS	ND	
FENPYROXIMATE	mg	0.004	0.2	0.4	PASS	ND	
FIPRONIL	mg	0.006	0.2	0.4	PASS	ND	
FLONICAMID	mg	0.009	0.5	1	PASS	ND	
FLUDIOXONIL	mg	0.006	0.2	0.4	PASS	ND	
HEXYTHIAZOX	mg	0.005	0.5	1	PASS	ND	
IMAZALIL	mg	0.011	0.1	0.2	PASS	ND	
IMIDACLOPRID	mg	0.008	0.2	0.4	PASS	ND	
KRESOXIM-METHYL	mg	0.007	0.2	0.4	PASS	ND	
MALATHION	mg	0.007	0.1	0.2	PASS	ND	
METALAXYL	mg	0.004	0.1	0.2	PASS	ND	
METHIOCARB	mg	0.004	0.1	0.2	PASS	ND	
METHOMYL	mg	0.005	0.2	0.4	PASS	ND	
MYCLOBUTANIL	mg	0.01	0.1	0.2	PASS	ND	
NALED	mg	0.007	0.25	0.5	PASS	ND	
OXAMYL	mg	0.008	0.5	1	PASS	ND	
PACLOBUTRAZOL	mg	0.005	0.2	0.4	PASS	ND	
TOTAL PERMETHRINS	mg	0.003	0.1	0.2	PASS	ND	
PHOSMET	mg	0.01	0.1	0.2	PASS	ND	
PIPERONYL BUTOXIDE	mg	0.005	1	2	PASS	ND	
PRALLETHRIN	mg	0.013	0.1	0.2	PASS	ND	
PROPICONAZOLE	mg	0.005	0.2	0.4	PASS	ND	
PROPOXUR	mg	0.005	0.1	0.2	PASS	ND	
TOTAL PYRETHRINS	mg	0.001	0.5	1	PASS	ND	
PYRIDABEN	mg	0.004	0.1	0.2	PASS	ND	
TOTAL SPINOSAD	mg	0.006	0.1	0.2	PASS	ND	
SPIROMESIFEN	mg	0.008	0.1	0.2	PASS	ND	
SPIROTETRAMAT	mg	0.006	0.1	0.2	PASS	ND	
SPIROXAMINE	mg	0.004	0.2	0.4	PASS	ND	
TEBUCONAZOLE	mg	0.004	0.2	0.4	PASS	ND	
THIACLOPRID	mg	0.006	0.1	0.2	PASS	ND	
THIAMETHOXAM	mg	0.006	0.1	0.2	PASS	ND	
TRIFLOXYSTROBIN	mg	0.006	0.1	0.2	PASS	ND	
CHLORFENAPYR	mg	0.027	0.3	1	PASS	ND	
CYFLUTHRIN	mg	0.015	0.5	1	PASS	ND	

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Madison Levy

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Signature
03/25/25



1231 W. Warner Road, Suite 105
Tempe, AZ, 85284, US
(561) 322-9740

Kaycha Labs
Joels Lemonade (Batch ID: 207LME022625)
Joels Lemonade
Matrix: Flower
Classification: Sativa
Type: Flower-Cured



Certificate of Analysis

Pages 4 of 5

Sample: TE50321005-001

Sonoran Roots

Telephone: (480) 298-0248

Email: nick.cerimeli@sonoranroots.com

Harvest/Lot ID: 207LME022625

Batch #: 207LME022625

Ordered: 03/21/25

Sampled: 03/21/25

Completed: 03/25/25

PASSED

Pesticide

PASSED

ANALYTES		UNIT	LOD	LOQ	ACTION LEVEL	PASS/FAIL	RESULT	QUALIFIER
Analyzed by: 410, 152, 547, 572		Weight: 0.5033g		Extraction date: 03/21/25 18:12:15			Extracted by: 410	
Analysis Method : N/A								
Analytical Batch : TE008140PES								
Instrument Used : TE-262 "MS/MS - Pest/Myco 2",TE-117 UHPLC - Pest/Myco 2						Batch Date : 03/21/25 10:56:16		
Analyzed Date : 03/25/25 21:18:46								
Dilution : 25								
Reagent : 030525.R09; 031025.R53; 030625.R05; 030625.R06; 031225.R14; 032125.R10; 030625.R25; 031025.R43; 041823.06								
Consumables : 9479291.162; 8000038072; 110424CH01; 220321-306-D; 1009468941; GD240003; 426060-JG								
Pipette : TE-062 SN:20C50491; TE-064 SN:20B27672 (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: 410, 152, 547, 572	Weight: 0.5033g	Extraction date: 03/21/25 18:12:15	Extracted by: 410
Analysis Method : N/A Analytical Batch : TE008155VOL Instrument Used : TE-117 UHPLC - Pest/Myco 2,TE-262 "MS/MS - Pest/Myco 2 Analyzed Date : 03/25/25 21:18:48			
			Batch Date : 03/21/25 18:15:50
Dilution : 25 Reagent : 030525.R09; 031025.R53; 030625.R05; 030625.R06; 031225.R14; 032125.R10; 030625.R25; 031025.R43; 041823.06 Consumables : 9479291.162; 8000038072; 110424CH01; 220321-306-D; 1009468941; GD240003; 426060-JG Pipette : TE-062 SN:20C50491; TE-064 SN:20B27672 (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).			

Microbial

PASSED

ANALYTES		UNIT	LOD	LOQ	ACTION LEVEL	PASS/FAIL	RESULT	QUALIFIER
SALMONELLA SPP.		mg	0	0	1	PASS	Not Present in 1g	
ASPERGILLUS FLAVUS		mg	1	0	0.999	PASS	Not Present in 1g	
ASPERGILLUS FUMIGATUS		mg	1	0	0.999	PASS	Not Present in 1g	
ASPERGILLUS NIGER		mg	1	0	0.999	PASS	Not Present in 1g	
ASPERGILLUS TERREUS		mg	1	0	0.999	PASS	Not Present in 1g	
ESCHERICHIA COLI (REC)		mg	10	10	100	PASS	<10	
Analyzed by: 87, 547, 572		Weight: 1.0254g		Extraction date: 03/21/25 17:15:44		Extracted by: 331,87		
Analysis Method : N/A								
Analytical Batch : TE008151MIC								
Instrument Used : TE-234 "bioMerieux GENE-UP"					Batch Date : 03/21/25 15:51:28			
Analyzed Date : 03/25/25 14:44:33								
Dilution : 10								
Reagent : 021825.05; 120524.14; 031825.R26; 022825.30; 081324.92; 081324.89; 022025.20; 012225.07; 022825.09; 013125.61; 022025.06								
Consumables : 258006; 7161130; 240823-1059-A; 1009015070; 1009468941								
Pipette : TE-053 SN:20E78952; TE-061 SN:20C35454; TE-062 SN:20C50491; TE-065 SN:20B18327 (100-1000uL); TE-066 SN:20D56970; TE-069 SN:21B23920; TE-109 SN:20B18330; TE-256 Dispensette S Bottle Top Dispenser SN:20G36073; TE-258								
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.40.056B for sample prep and screening for Salmonella and Aspergillus sp. by PathogenDx Detectx Combined using a SensoSpot Microarray Analyzer and SOP.T.40.209.AZ for quantitative plating of E. coli on 3M Rapid E. coli Petrifilm and confirmation of Aspergillus sp. on SabDex agar for derivative products). All qualitative microbial testing is reported as detected/not detected in 1g.								

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Certificate of Analysis

Pages 5 of 5

Sample: TE50321005-001
Sonoran Roots
Telephone: (480) 298-0248
Email: nick.cerimeli@sonoranroots.com

Harvest/Lot ID: 207LME022625
Batch #: 207LME022625

Ordered: 03/21/25
Sampled: 03/21/25
Completed: 03/25/25

PASSED



Mycotoxins

PASSED

ANALYTES	UNIT	LOD	LOQ	ACTION LEVEL	PASS/FAIL	RESULT	QUALIFIER
TOTAL AFLATOXINS	mg	1.487	4.851	20	PASS	ND	
AFLATOXIN B1	mg	1.47	4.851	20	PASS	ND	
AFLATOXIN B2	mg	1.8	5.94	20	PASS	ND	
AFLATOXIN G1	mg	1.9	6.27	20	PASS	ND	
AFLATOXIN G2	mg	3.25	10.725	20	PASS	ND	
OCHRATOXIN A	mg	4.61	12	20	PASS	ND	

Analyzed by: 410, 152, 547, 572	Weight: 0.5033g	Extraction date: 03/21/25 18:12:15	Extracted by: 410
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Analysis Method : N/A
Analytical Batch : TE008156MYC
Instrument Used : TE-262 "MS/MS - Pest/Myco 2,TE-117 UHPLC - Pest/Myco 2
Batch Date : 03/21/25 18:16:51
Analyzed Date : 03/25/25 21:18:41

Dilution : 25
Reagent : 030525.R09; 031025.R53; 030625.R05; 030625.R06; 031225.R14; 032125.R10; 030625.R25; 031025.R43; 041823.06
Consumables : 9479291.162; 8000038072; 110424CH01; 220321-306-D; 1009468941; GD240003; 426060-JG
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 Aflatoxins B1, B2, G1, G2) must be <20µg/kg. Ochratoxin must be <20µg/kg.



Heavy Metals

PASSED

ANALYTES	UNIT	LOD	LOQ	ACTION LEVEL	PASS/FAIL	RESULT	QUALIFIER
ARSENIC	mg	0.003	0.2	0.4	PASS	ND	
CADMIUM	mg	0.002	0.2	0.4	PASS	ND	
LEAD	mg	0.001	0.5	1	PASS	ND	
MERCURY	mg	0.0125	0.1	0.2	PASS	ND	

Analyzed by: 398, 547, 572	Weight: 0.1984g	Extraction date: 03/21/25 19:54:16	Extracted by: 398
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Analysis Method : N/A
Analytical Batch : TE008147HEA
Instrument Used : TE-051 "Metals Hood",TE-141 "Wolfgang",TE-144,TE-260 "Ludwig",TE-307 "Ted",TE-311 "Ted PC",TE-308 "Ted Chiller",TE-310 "Ted AS",TE-309 "Ted Pump",TE-312 "Ted Monitor",TE-313 "Ted Monitor"
Batch Date : 03/21/25 13:15:27
Analyzed Date : 03/25/25 14:27:59

Dilution : 50
Reagent : 102824.04; 031725.R04; 031825.R01; 100424.06; 022425.01; 090922.04
Consumables : 110424CH01; 220321-306-D; 1009468941; GD240003
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).