



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

SC Laboratories

27610 College Park Drive, Suite C
Warren, MI 48088

Fulfills the requirements of

ISO/IEC 17025:2017

and the

**MICHIGAN MARIJUANA REGULATORY AGENCY (CRA), MARIJUANA
SAMPLING AND TESTING ACCREDITATION PROGRAM**

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

Jason Stine, Vice President

Expiry Date: 14 October 2024

Certificate Number: AT-2913



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

MICHIGAN CANNABIS REGULATORY AGENCY (CRA), MARIJUANA SAMPLING AND TESTING ACCREDITATION PROGRAM

SC Laboratories

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TESTING

Valid to: **October 14, 2024**

Certificate Number: **AT-2913**

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology	LOQ
Heavy Metals Analysis	ICP-MS	Cannabis and Cannabis Products	PerkinElmer NexION1000 ICP-MS	Cr: 0.28 µg/g Ni: 0.196 µg/g As: 0.016 µg/g Cd: 0.006 µg/g Hg: 0.0269 µg/g Pb: 0.005 µg/g Cu: 0.296 µg/g



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<p>Residual Solvent Analysis</p>	<p>GC/MS</p>	<p>Cannabis and Cannabis Products</p>	<p>PerkinElmer Claurus 690/SQ-8T GC/MS</p>	<p>N-Propane: 0.072 µg/mL isobutane (2-Methyl propane): 0.072 µg/mL N-Butane: 0.072 µg/mL Neopentane (2,2-dimethylpropane): 0.072 µg/mL Methanol: 0.072 µg/mL Ethylene oxide (Oxirane): 0.0072 µg/mL 2-Methylbutane: 0.072 µg/mL Ethanol: 0.072 µg/mL N-Pentane: 0.072 µg/mL Ethyl Ether (diethyl ether): 0.072 µg/mL Acetone: 0.072 µg/mL 2,2-Dimethylbutane (neohexane): 0.072 µg/mL Isopropyl Alcohol: 0.072 µg/mL Acetonitrile: 0.072 µg/mL Methylene Chloride (dichloromethane): 0.072 µg/mL 2-methylpentane: 0.072 µg/mL 2,3-Dimethylbutane: 0.072 µg/mL 3-methylpentane: 0.072 µg/mL N-Hexane: 0.072 µg/mL Ethyl Acetate 0.072 µg/mL Chloroform: 0.0072 µg/mL Benzene: 0.0072-20 µg/mL 1,2-Dichloroethane: 0.0072 – 20 µg/mL N-Heptane: 0.072 µg/mL Trichloroethene: 0.0072 µg/mL Toulene: 0.072 µg/mL m,p Xylene: 0.072 µg/mL o-Xylene: 0.072 µg/mL</p>
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Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology	LOQ
Terpene Profile Analysis	GC/MS	Cannabis and Cannabis Products	PerkinElmer Claurus 690/SQ-8T GC/MS	a- Pinene: 0.057µg/g Camphene: 0.101µg/g b- Myrcene: 0.139µg/g b- Pinene: 0.062µg/g 3- Carene: 0.089µg/g a- Terpinene: 0.102µg/g Limonene: 0.118µg/g Cis-b-Ocimene: 0.074µg/g Eucalyptol: 0.236µg/g y-Terpinene: 0.071µg/g Terpinolene: 0.177µg/g Linalool: 0.252 µg/g Isopulegol: 0.708µg/g Geraniol: 0.252µg/g Trans-b-Caryophyllene: 0.376µg/g Cis-Nerolidol 1.076µg/g Trans-Nerolidol: 1.045µg/g Guaiol: 0.795µg/g Caryophyllene Oxide: 0.889µg/g
Vitamin E Acetate	LC/MS	Cannabis and Cannabis Products	PerkinElmer MS QSight420 +UHPLC Qsight LX50 LC/MS	Tocopherol acetate: 0-0004 µg/g
Total Cannabinoids/Potency	HPLC	Cannabis and Cannabis Products	PerkinElmer Flexar HPLC	CBDVA: 0.015 Wt% CBDV: 0.015 Wt% CBDA: 0.015 Wt% CBGA: 0.015 Wt% CBG: 0.015 Wt% CBD: 0.015 Wt% THCv: 0.015 Wt% CBN: 0.015 Wt% d9-THC: 0.015 Wt% d8-THC: 0.015 Wt% THCA: 0.015 Wt% CBC: 0.015 Wt%
Total Water Activity	Water Activity by Dew Point	Cannabis and Cannabis Products	AQUALAB 4TE Water Activity Meter	0.003 Aw



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<p>Pesticides Analysis</p>	<p>LC/MS</p>	<p>Cannabis and Cannabis Products</p>	<p>PerkinElmer MS QSight420 +UHPLC Qsight LX50 LC/MS</p>	<p>Abamectin: 0.003 µg/g Acephate: 0.013 µg/g Acequinocyl: 0.024 µg/g Acetamiprid: 0.001 µg/g Aldicarb: 0.001 µg/g Azoxystrobin: 0.001 µg/g Bifenazate: 0.001 µg/g Bifenthrin: 0.001 µg/g Boscalid: 0.009 µg/g Carbaryl: 0.001 µg/g Carbofuran: 0.001 µg/g Chloanthraniliprole: 0.001 µg/g Chlorfenapyr: 0.136 µg/g Chlorpyrifos: 0.001 µg/g Cinerin I: 0.004 µg/g Clofentezine: 0.001 µg/g Cyfluthrin: 0.019 µg/g Cypermethrin: 0.015 µg/g Daminozide: 0.001 µg/g Diazinon: 0.001 µg/g Dichlorvos: 0.001 µg/g Dimethoate: 0.001 µg/g Ethoprophos: 0.001 µg/g Etofenprox: 0.001 µg/g Etoxazole: 0.001 µg/g Fenoxycarb: 0.001 µg/g Fenpyroximate: 0.001 µg/g Fipronil: 0.003 µg/g Fludioxonil: 0.001 µg/g Flonicamide: 0.001 µg/g Hexythiazox: 0.001 µg/g Imazalil: 0.006 µg/g Imidacloprid: 0.001 µg/g Jasmolin I: 0.003 µg/g Kresoxym-methyl: 0.001 µg/g Malathion: 0.001 µg/g Metalaxyl: 0.001 µg/g Methiocarb: 0.001 µg/g Methomyl: 0.002 µg/g Methyl parathion: 0.006 µg/g MGK-264: 0.072 µg/g Myclobutanil: 0.001 µg/g Naled: 0.003 µg/g Oxamyl: 0.010 µg/g Paclobutrazol: 0.001 µg/g Permethrin: 0.071 µg/g</p>
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Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology	LOQ
				Phosmet: 0.001 µg/g Prallethrin: 0.003 µg/g Propiconazole: 0.001 µg/g Propoxur: 0.001 µg/g Pyrethrin I: 0.001 µg/g Pyridaben: 0.001 µg/g Spinosyn A: 0.001 µg/g Spinosyn D: 0.001 µg/g Spiromefesin: 0.001 µg/g Spirotetramat: 0.003 µg/g Spiroxamine: 0.001 µg/g Tebuconazole: 0.001 µg/g Thiacloprid: 0.001 µg/g Thiamethoxam: 0.001 µg/g Trifloxystrobin: 0.001 µg/g
Foreign Matter/Filth Analysis	Surface Area Analysis	Cannabis and Cannabis Products	Video Microscope Surface Area Analysis	N/A

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology	LOQ
E. Coli, Aspergillus, Salmonella	qPCR	Cannabis and Cannabis products	Biomerieux Gene-Up Realtime PCR	E. Coli/STEC/Salmonella: 0.941500 CFU
Total Yeast and Mold, Coliforms,	Plating	Cannabis and Cannabis products	3M Total Coliform and 3M Rapid Yeast and Mold Plates	Total Yeast and Mold: 1000 CFU Total Coliforms: 100 CFU

Sampling

Sampling Type	Specification, Standard, Method, or Sampling Technique	Activity
Grab	SAMPLE 01 MRA “Sampling And Testing Technical Guidance For Marijuana Products”	Cannabis and Cannabis Products

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-2913.



Jason Stine, Vice President

