



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Black Labs LLC
9030 S. Rita Rd., Suite 320
Tucson, AZ 85747

Fulfills the requirements of

ISO/IEC 17025:2017

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.

A handwritten signature in black ink, appearing to be 'Jason Stine', is positioned above a horizontal line.

Jason Stine, Vice President

Expiry Date: 28 February 2027

Certificate Number: AT-3321



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

Black Labs LLC

9030 S. Rita Rd., Suite 320
 Tucson, AZ 85747
 Usman Karriem
ukarriem@azblacklabs.com

TESTING

Valid to: **February 28, 2027**

Certificate Number: **AT-3321**

Environmental

Specific Tests and/or Properties Measured	Range (Where Appropriate) & Detection Limit	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Heavy Metals: <ul style="list-style-type: none"> • Aluminum • Antimony • Arsenic • Barium • Beryllium • Cadmium • Chromium, Total • Copper • Iron • Lead • Magnesium • Manganese • Mercury • Molybdenum • Nickel • Selenium • Silver • Thallium • Vanadium • Zinc 	D.L.= 1.144ug/L D.L.= 0.142ug/L D.L.= 0.241ug/L D.L.= 0.316ug/L D.L.= 0.304ug/L D.L.= 0.105ug/L D.L.= 0.133ug/L D.L.= 0.074ug/L D.L.= .381 ug/L D.L.= 0.031ug/L D.L.= 2.789 ug/L D.L.= 0.255ug/L D.L.= 0.347ug/L D.L.= 0.079ug/L D.L.= 0.098ug/L D.L.= 13.118ug/L D.L.= 0.077ug/L D.L.= 0.135ug/L D.L.= 0.202ug/L D.L.= 0.330ug/L	Internal SOP: SOP-BL1-018 Based on EPA 200.8 & ANSI/AAMI ST72:2019: ST108:2023: 13959:2014	Water, Critical Water, High Purity Water Type 1,2,3	ICP-MS

Environmental

Specific Tests and/or Properties Measured	Range (Where Appropriate) & Detection Limit	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Thermo Gallery: <ul style="list-style-type: none"> • Alkalinity • Ammonia • Chloride • Hardness • Nitrate • Nitrite • Phosphate • Calcium • Sulphate 	D.L.= 3.112mg/L D.L.= 0.069mg/L D.L.= 1.845mg/L D.L.= 2.718mg/L D.L.= 0.026mg/L D.L.= 0.002mg/L D.L.= 0.025mg/L D.L.= 3.772mg/L D.L.= 0.175mg/L	Internal SOPs: SOP-BL1-032 SOP-BL1-024 SOP-BL1-030 SOP-BL1-031 SOP-BL1-027 SOP-BL1-026 SOP-BL1-025 SOP-BL1-036 SOP-BL1-037 SOP-BL1-038	Water, Critical Water, High Purity Water Type 1,2,3	Thermo Gallery Aqua
Total Organic Carbon (TOC)	D.L.= 0.015mg/L	Internal SOP: SOP-BL1-034 Based on SM 5310c	Critical Water, High Purity Water Type 1,2,3	Shimadzu TOC Analyzer
Turbidity	D.L.= 0.018ug/L	Internal SOP: SOP-BL1-020 Based on EPA 180.1	Water, Critical Water, High Purity Water Type 1,2,3	Turbidimeter
Total Coliform E.coli	Presence/Absence Presence/Absence	Internal SOP: SOP-BL1-017 SM 9223B	Water, Critical Water, High Purity Water Type 1,2,3	Colitag (ONPG-MUG)
	D.L. = 1CFU/100mL	Internal SOP: SOP-BL1-040 SM 9223B	Water, Wastewater, Critical Water, High Purity Water Type 1, 2, 3	Idexx Colilert
Legionella	D.L.= 0.01 CFU/mL D.L.= 1CFU/100mL	SOP-BL1-019 Based on CDC Elite, ISO 11731:2017: ANSI/ASHRAE 188:2021	Water	CDC Elite Culture
	Potable Water D.L. = 1CFU/100mL Non-Potable Water D.L. = 1CFU/mL	SOP-BL1-035 ASTM D8429-21		Idexx Legiolert
Bacterial Endotoxin Testing	0.01-10 EU/mL	Internal SOP: SOP-BL1-029 Based on ANSI/AAMI ST72:2019: ST108:2023: 13959:2014	Water, Critical Water, High Purity Water Type 1,2,3	Kinetic Chromogenic Cartridge

Environmental

Specific Tests and/or Properties Measured	Range (Where Appropriate) & Detection Limit	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Heterotrophic Plate Count	Up to 300,000 CFU/mL	Internal SOP: SOP-BL1-028 Based on ANSI/AAMI ST72:2019:13959:2014	Water, Critical Water, High Purity Water Type 1,2,3	Pour Plate – SM 9215b

Microbiological

Specific Tests and/or Properties Measured	Range (Where Appropriate) & Detection Limit	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Salmonella	D.L.= 1CFU/1g	Internal SOP-BL1-012 Based on AOAC 012201	Food, Cosmetics, Hemp, & Cannabinoid Infused Products (e.g. dairy/meat/grains/produce/fats/oils, topical products, Cannabis inhalable, edible, extract products)	qPCR Pathogen Dx
Aspergillus niger Aspergillus fumigatus Aspergillus terreus Aspergillus flavus	D.L.= 1CFU/1g D.L.= 1CFU/1g D.L.= 1CFU/1g D.L.= 1CFU/1g	Internal SOP-BL1-012 Based on AOAC 012201	Food, Cosmetics, Hemp, & Cannabinoid Infused Products (e.g. dairy/meat/grains/produce/fats/oils, topical products, Cannabis inhalable, edible, extract products)	qPCR Pathogen Dx
E. coli	D.L.= 1CFU/1g	Internal SOP-BL1-009 Based on AOAC 2018.13	Food, Cosmetics, Hemp, & Cannabinoid Infused Products (e.g. dairy/meat/grains/produce/fats/oils, topical products, Cannabis inhalable, edible, extract products)	Petrifilm

Chemical

Specific Tests and/or Properties Measured	Range (Where Appropriate) & Detection Limit	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Heavy Metals: <ul style="list-style-type: none"> • Arsenic • Cadmium • Lead • Mercury 	D.L.= 0.043ug/L D.L.= 0.024ug/L D.L.= 0.017ug/L D.L.= 0.153ug/L	Internal SOP: SOP-BL1-007	Food, Cosmetics, Hemp, & Cannabinoid Infused Products (e.g. dairy/meat/grains/product/fats/oils, topical products, Cannabis inhalable, edible, extract products)	ICP-MS
Mycotoxins <ul style="list-style-type: none"> • Aflatoxin (Total B1, B2, G1, G2) • Ochratoxin A 	D.L.= 0.283ppb D.L.= 0.504ppb D.L.= 0.540ppb D.L.= 0.574ppb D.L.= 0.719ppb	Internal SOPs: SOP-BL1-013 SOP-BL1-033	Food, Cosmetics, Hemp, & Cannabinoid Infused Products (e.g. dairy/meat/grains/product/fats/oils, topical products, Cannabis inhalable, edible, extract products)	ELISA LCMSMS QQQ
Cannabinoid Potency: <ul style="list-style-type: none"> • Cannabidiol (CBD) • Cannabidiolic acid (CBDA) • Delta-9-THC • THCA-A 	D.L.= 0.235ug/mL D.L.= 0.083ug/mL D.L.= 0.139ug/mL D.L.= 0.151ug/mL	Internal SOP: SOP-BL1-001	Food, Cosmetics, Hemp, & Cannabinoid Infused Products (e.g. dairy/meat/grains/product/fats/oils, topical products, Cannabis inhalable, edible, extract products)	HPLC

Chemical

Specific Tests and/or Properties Measured	Range (Where Appropriate) & Detection Limit	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<p>Residual Solvents:</p> <ul style="list-style-type: none"> • Acetone • Acetonitrile • Benzene • n-Butane • iso-Butane • Chloroform • Dichloromethane • Ethanol • Ethyl Acetate • Diethyl Ether • Heptane • n-Hexane • 3-methylpentane • 2,2-dimethylpentane • Hexane Isomers (2,3-dimethylpentane, methylpentane) • Isopropyl Acetate • Methanol • n-Pentane • neo-Pentane • 2-Propanol (IPA) • Toluene • m&p-Xylenes • o-Xylene • Ethylbenzene 	<p>D.L.= 0.991ug/g D.L.= 0.762ug/g D.L.= 0.000ug/g D.L.= 4.361ug/g D.L.= 3.652ug/g D.L.= 0.079ug/g D.L.= 0.982ug/g D.L.= 2.327ug/g D.L.= 5.211ug/g D.L.= 7.408ug/g D.L.= 3.865ug/g D.L.= 0.391ug/g D.L.= 0.437ug/g D.L.= 0.610ug/g D.L.= 1.008ug/g D.L.= 3.409ug/g D.L.= 3.992ug/g D.L.= 4.091ug/g D.L.= 10.522ug/g D.L.= 4.917ug/g D.L.= 1.237ug/g D.L.= 3.974ug/g D.L.= 3.269ug/g D.L.= 2.385ug/g</p>	<p>Internal SOP: SOP-BL1-010</p>	<p>Food, Cosmetics, Hemp, & Cannabinoid Infused Products (e.g. dairy/meat/grains/product/fats/oils, topical products, Cannabis inhalable, edible, extract products)</p>	<p>GC-MS</p>



ANSI National Accreditation Board

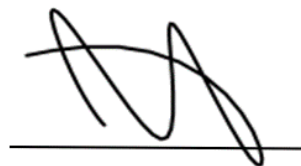
<p>Pesticides:</p> <ul style="list-style-type: none"> • Abamectin B1a • Acephate • Acetamiprid • Aldicarb • Azoxystrobin • Bifenazate • Bifenthrin • Boscalid • Carbaryl • Carbofuran • Chlorantraniliprole • Chlorfenapyr • Chlorpyrifos • Cis-Permethrins • Clofentezine • Cyfluthrin • Cypermethrin • Daminozide • Diazinon • Chemical • Dichlorvos • Dimethoate • Ethoprophos • Etofenprox • Etoxazole • Fenoxycarb • Fenpyroximate • Fipronil • Flonicamid • Fludioxonil • Hexythiazox • Imazalil • Imidacloprid • Kresoxim-methyl • Malathion • Metalaxyl • Methiocarb 	<p>D.L.= 0.335ng/mL D.L.= 0.046ng/mL D.L.= 0.098ng/mL D.L.= 0.040ng/mL D.L.= 0.036ng/mL D.L.= 0.062ng/mL D.L.= 0.093ng/mL D.L.= 0.313ng/mL D.L.= 0.139ng/mL D.L.= 0.069ng/mL D.L.= 0.194ng/mL D.L.= 1.727ng/mL D.L.= 0.133ng/mL D.L.= 0.101ng/mL D.L.= 0.086ng/mL D.L.= 0.805ng/mL D.L.= 0.628ng/mL D.L.= 0.484ng/mL D.L.= 0.050ng/mL D.L.= 0.062ng/mL D.L.= 0.106ng/mL D.L.= 0.222ng/mL D.L.= 0.034ng/mL D.L.= 0.067ng/mL D.L.= 0.045ng/mL D.L.= 0.098ng/mL D.L.= 0.477ng/mL D.L.= 0.301ng/mL D.L.= 0.181ng/mL D.L.= 0.137ng/mL D.L.= 0.192ng/mL D.L.= 0.372ng/mL D.L.= 0.211ng/mL D.L.= 0.070ng/mL D.L.= 0.096ng/mL D.L.= 0.182ng/mL</p>	<p style="text-align: center;">Internal SOP: SOP-BL1-004</p>	<p>Food, Cosmetics, Hemp, & Cannabinoid Infused Products (e.g. dairy/meat/grains/prod uce/fats/oils, topical products, Cannabis inhalable, edible, extract products)</p>	<p style="text-align: center;">LC-QQ</p>
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Chemical

Specific Tests and/or Properties Measured	Range (Where Appropriate) & Detection Limit	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Pesticides (continued) <ul style="list-style-type: none"> • Methomyl • Myclobutanil • Naled • Oxamyl • Paclobutrazol • Phosmet • Piperonyl butoxide • Prallethrin • Propiconazole • Propoxur • Pyrethrins • Pyridaben • Spinosads • Spiromesifin • Spirotetramat • Spiroxamine • Tebuconazole • Thiacloprid • Thiamethoxam • Trans-Permethrins • Trifloxystrobin 	D.L.= 0.152ng/mL D.L.= 0.109ng/mL D.L.= 0.430ng/mL D.L.= 0.233ng/mL D.L.= 0.159ng/mL D.L.= 0.086ng/mL D.L.= 0.294ng/mL D.L.= 0.203ng/mL D.L.= 0.160ng/mL D.L.= 0.071ng/mL D.L.= 0.271ng/mL D.L.= 0.037ng/mL D.L.= 0.077ng/mL D.L.= 0.045ng/mL D.L.= 0.122ng/mL D.L.= 0.112ng/mL D.L.= 0.109ng/mL D.L.= 0.074ng/mL D.L.= 0.094ng/mL D.L.= 0.149ng/mL D.L.= 0.053ng/mL	Internal SOP: SOP-BL1-004	Food, Cosmetics, Hemp, & Cannabinoid Infused Products (e.g. dairy/meat/grains/prod uce/fats/oils, topical products, Cannabis inhalable, edible, extract products)	LC-QQQ

Note:

- This scope is formatted as part of a single document including Certificate of Accreditation No. AT-3321.



Jason Stine, Vice President