



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Desert Valley Testing

51 W. Weldon Ave.

Phoenix, AZ 85013

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 read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 15 January 2024

Certificate Number: AT-2837



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

Desert Valley Testing

51 W. Weldon Ave.
Phoenix, AZ 85013

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TESTING

Valid to: **January 15, 2024**

Certificate Number: **AT-2837**

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<p>Cannabinoid Potency</p> <ul style="list-style-type: none"> • Cannabidiol (CBD) • Cannabidiolic Acid (CBDA) • Cannabigerolic Acid (CBGA) • Cannabigerol (CBG) • Cannabidiol (CBD) • Tetrahydrocannabivarin (THCV) • Cannabinol (CBN) • Tetrahydrocannabinol (THC) • Δ8-Tetrahydrocannabinol (Δ8-THC) • Cannabichromene (CBC) • Tetrahydrocannabinolic Acid (THCA) 	<p>DVTSOP-003; Determination of Cannabinoids by HPLC-DAD</p>	<p>Cannabis and Hemp Products</p>	<p>HPLC-DAD</p>

Chemical

Specific Tests and/or Properties Measured	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"> • Propane • Isobutane • n-Butane • Neopentane • Methanol • Isopentane • n-Pentane • Ethanol • Diethyl Ether • Acetone • 2,2-Dimethylbutane • Isopropanol • Acetonitrile • Dichloromethane • 2,3-Dimethylbutane • 2-Methylpentane • 3-Methylpentane • n-Hexane • Ethyl Acetate • Chloroform • Benzene • Isopropyl Acetate • n-Heptane • Toluene • Ethyl Benzene • m- and p-Xylenes • o-Xylene 	<p>DVTSOP-004; Determination of Residual Solvents by GC-MS</p>	<p>Cannabis and Hemp Products</p>	<p>GC-MS (Headspace)</p>
<p>Heavy Metals</p> <ul style="list-style-type: none"> • Arsenic • Cadmium • Lead • Mercury 	<p>DVTSOP-035 Determination of Heavy Metals by ICP-MS</p>	<p>Cannabis and Hemp Products</p>	<p>ICP-MS</p>

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Pesticides and Herbicides <ul style="list-style-type: none"> • Abamectin • Acephate • Acequinocyl • Acetamiprid • Aldicarb • Azoxystrobin • Bifenazate • Bifenthrin • Boscalid • Carbaryl • Carbofuran • Chlorantraniliprole • Chlorfenapyr • Chlorpyrifos • Clofentezine • Cyfluthrin • Cypermethrin • Daminozide • DDVP (Dichlorovos) • Diazinon • Dimethoate • Ethoprophos • Etofenprox • Etoxazole • Fenoxycarb • Fenpyroximate • Fipronil • Flonicamid • Fludioxonil • Hexythiazox 	DVTSOP-011 Determination of Pesticides, Herbicide, and Mycotoxins by LC-MS/MS	Cannabis and Hemp Products	LC/MS/MS

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Pesticides and Herbicides (Continued) <ul style="list-style-type: none"> • Imazalil • Imidacloprid • Kresoxim-Methyl • Malathion • Metalaxyl • Methiocarb • Methomyl • Myclobutanil • Naled • Oxamyl • Paclobutrazol • Pendimethalin • Permethrins • Phosmet • Piperonyl Butoxide • Prallethrin • Propiconazole • Propoxur • Pyrethrins • Pyridaben • Spinosad • Spiromesifen • Spirotetramat • Spiroxamine • Tebuconazole • Thiacloprid • Thiamethoxam • Trifloxystrobin 	DVTSOP-011 Determination of Pesticides, Herbicide, and Mycotoxins by LC-MS/MS	Cannabis and Hemp Products	LC/MS/MS
Pesticides <ul style="list-style-type: none"> • Chlorfenapyr 	DVTSOP-019 Determination of Chlorfenapyr by GC-MS	Cannabis and Hemp Products	GC-MS

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Mycotoxins <ul style="list-style-type: none"> • Aflatoxin B1 • Aflatoxin B2 • Aflatoxin G1 • Aflatoxin G2 • Ochratoxin A 	DVTSOP-011 Determination of Pesticides, Herbicide, and Mycotoxins by LC-MS/MS	Cannabis and Hemp Products	LC/MS/MS

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Salmonella	DVTSOP-028 Detection of Salmonella by RT-PCR	Cannabis and Hemp Products	RT-PCR
E. coli	AOAC 991.14	Cannabis and Hemp Products	Petrifilm
E. coli (Rapid)	AOAC 2018.13	Cannabis and Hemp Products	Petrifilm
Aspergillus <ul style="list-style-type: none"> • <i>Aspergillus flavus</i> • <i>Aspergillus fumigatus</i> • <i>Aspergillus niger</i> • <i>Aspergillus terreus</i> 	DVTSOP-015 Detection of Aspergillus by RT-PCR	Cannabis and Hemp Products	RT-PCR

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-2837.



R. Douglas Leonard Jr., VP, PILR SBU