CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Hidrolab Colombia Limitada

Autopista Medellin Km 2.5 Via parcelas de Cota Km 1.3
Conjunto de Bodegas AEPI BG 3A
Cota-Cundinamarca, Colombia

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.

Jason Stine, Vice President

Expiry Date: 07 May 2025

Certificate Number: AT-2978

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

Hidrolab Colombia Limitada

Autopista Medellin Km 2.5 Via parcelas de Cota Km 1.3
Conjunto de Bodegas AEPI BG 3A
Cota-Cundinamarca, Colombia

Varcelis Vargas Denisse Manzanares
varcelis.vargas@hidrolab.com.co ; dmanzanares@hidrolab.cl

TESTING

Valid to: **May 7, 2025** Certificate Number: **AT-2978**

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Metals • Arsenic • Cadmium • Mercury • Lead • Antimony • Barium • Cobalt • Copper • Chrome • Tin • Lithium • Molybdenum • Nickel • Vanadium	USP NF 43<232>; USP NF 43<233>	Dried flower, extract, and derivatives of cannabis	ICP-MS
Potency	PFQ-CB-001 Procedure of potency and profile of cannabinoids in dried flower by HPLC with PDA	Dried flower, extract, and derivatives of cannabis	Theoretical calculation

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Cannabinoid Profile • Cannabichromene (CBC) • Cannabicyclol acid (CBLA) • Cannabicyclol (CBL) • Cannabidiol (CBD) • Cannabidiolic acid (CBDA) • Cannabidivarin (CBDV) • Cannabidivarinic acid (CBDVA) • Cannabigerol (CBG) • Cannabigerolic acid (CBGA) • Cannabinol (CBN) • Tetrahydrocannabivarin (THCV) • Δ8-tetrahydrocannabinol (Δ8-THC) • Δ9-tetrahydrocannabinol (Δ9-THC) • Δ9 tetrahydrocannabinolic acid (THCA-A)	PFQ-CB-001 Procedure of potency and profile of cannabinoids in dried flower by HPLC with PDA	Dried flower, extract and derivates of cannabis	HPLC-PDA
Foreign material	PFQ-CB-007 Procedure of determination of foreign material in dried flower of cannabis	Dried flower of cannabis	Visual aspect

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Activity of Water	PFQ-CB-003 Procedure of determination of moisture and activity water in dried flower of cannabis	Dried flower of cannabis	Measuring equipment activity water
Moisture	PFQ-CB-003 Procedure of determination of moisture and activity water in dried flower of cannabis	Dried flower of cannabis	Oven, Balance
Moisture	AOAC 925.10 Solids (total) and loss in drying (moisture)	Derivatives of cannabis	Oven, Balance
Moisture	PFQ-CB-003 Procedure of determination of moisture and activity water in dried flower of cannabis	Dried flower and derivatives of cannabis	Thermobalance
Mycotoxins • Ochratoxin A • Aflatoxin B1 • Aflatoxin B2 • Aflatoxin G1 • Aflatoxin G2 • Aflatoxin (B1, B2, G1, G2)	PFQ-CB-002 Procedure for the determination of pesticides and mycotoxins in dried flower, extracts, and derivatives of cannabis by UHPLC/MS/MS	Dried flower, extracts, and derivatives of cannabis	UHPLC-MS/MS

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Solvents • 1,2-Dichloroethane • Isopropyl alcohol • Ethyl acetate • Acetone • Acetonitrile • Benzene • Chloroform • Methylene Chloride (Dichloromethane) • Diethyl ether (Ethyl Ether) • Ethanol • Methanol	PFQ-CB-005 Procedure for the determination of solvents in cannabis extract and derivatives by GC-MS with headspace	Extract and derivatives of cannabis	GC-Mass with headspace
Solvents (continued) • n-Heptane • n-Hexane • n-Pentane • Toluene • Trichloroethylene • m-p Xylenes • O-Xylenes	PFQ-CB-005 Procedure for the determination of solvents in cannabis extract and derivatives by GC-MS with headspace	Extract and derivatives of cannabis	GC-Mass with headspace

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Terpenes • (-)-beta-Pinene • (-)-Guaiol • (-)-Isopulegol • (-) α-Bisabolol • Camphene • d-Limonene • Geraniol • Linalool • Cis Nerolidol • Trans Nerolidol • Ocimene • p-Isopropyltoluene (p-cymene) • α-Terpineol • γ-Terpineol • Terpinolene • α-Humulene • α-Pinene • α-Terpinene • β-Caryophyllene • β-Myrcene • γ-Terpinene • Carene • Sabinene • p-Mentha-1,5-diene • Trans-β-ocimen	PFQ-CB-006 Procedure of determination of terpenes in cannabis and derivatives product by GC-Mass with headspace	Dried flower, extract, and derivatives of cannabis	GC-MS with headspace

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Terpenes (continued) • 1,8-Cineole (Eucalyptol) • Sabinene hydrate • Fenchone • Fenchyl alcohol • Camphor • Isoborneol • Hexahydrothymol • Borneol • Nerol • (+)-Pulegone • Geranyl acetate • α-Cedrene • Valencene • (-)-Caryophyllene oxide • (+)-Cedrol	PFQ-CB-006 Procedure of determination of terpenes in cannabis and derivatives product by GC-MS with headspace	Dried flower, extract, and derivatives of cannabis	GC-MS with headspace
Pesticides • Abamectin • Acephate • Acequinocyl • Acetamiprid • Aldicarb • Allethrin • Azadirachtin • Azoxystrobin • Benzovindiflupyr • Bifenazate • Bifenthrin • Boscalid • Buprofezin • Captan • Carbaryl • Carbofuran • Chlorantraniliprole	PFQ-CB-002 Procedure for the determination of pesticides and mycotoxins in dried flower, extracts, and derivatives of cannabis by UHPLC/MS/MS	Dried flower, extracts, and derivatives of cannabis	UHPLC-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 (continued) • Chlordane • Chlorphenapyr • Chlorpyrifos • Clofentezine • Clothianidin • Coumaphos • Cyantranilipole • Cyfluthrin • Cypermethrin • Cyprodinil • Daminozide • Deltamethrin • Diazinon • Dichlorvos • Dimethoate • Dimethomorph • Dinotefuran • Dodemorph • Endosulfan Sulfate • Endosulfan-alpha • Endosulfan-beta • Ethoprop(hos) • Etofenprox • Etoxazole • Etridiazol • Fenhexamid • Fenoxycarb • Fenpyroximate • Fensulfothion	PFQ-CB-002 Procedure for the determination of pesticides and mycotoxins in dried flower, extracts, and derivatives of cannabis by UHPLC/MS/MS	Dried flower, extracts, and derivatives of cannabis	UHPLC-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 (continued) • Fenthion • Fenvalerate • Fipronil • Flonicamid • Fludioxonil • Fluopyram • Hexythiazox • Imazalil • Imidacloprid • Iprodione • Kinoprene • Kresoxim-methyl • Malathion • Metalaxyl • Methiocarb • Methomyl • Methoprene • Methyl parathion • Mevinphos • MGK-264 • Myclobutanil • Naled • Novaluron • Oxamyl • Paclobutrazol • Permethrin • Phenothrin • Phosmet • Piperonyl butoxide • Pirimicarb • Prallethrin • Propiconazole • Propoxur	PFQ-CB-002 Procedure for the determination of pesticides and mycotoxins in dried flower, extracts, and derivatives of cannabis by UHPLC/MS/MS	Dried flower, extracts, and derivatives of cannabis	UHPLC-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 (continued) • Pyraclostrobin • Pyrethrins • Pyridaben • Quintozene • Resmethrin • Spinetoram • Spinosad • Spirodiclofen • Spiromesifen • Spirotetramat • Spiroxamine • Tebuconazole • Tebufenozide • Teflubenzuron • Tetrachlorvinphos • Tetramethrin • Thiacloprid • Thiamethoxam • Thiophanate-methyl • Trifloxystrobin	PFQ-CB-002 Procedure for the determination of pesticides and mycotoxins in dried flower, extracts, and derivatives of cannabis by UHPLC/MS/MS	Dried flower, extracts, and derivatives of cannabis	UHPLC-MS/MS

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Aspergillus spp	USP NF 43 Chapter <61> and <62>	Dried flower, extract, and derivatives of cannabis	Microscope Presence/Absence
Gram negative bacteria resistant to bile	USP NF 43 Chapter <61> and <62>	Dried flower, extract, and derivatives of cannabis	Multiples tubes (MPN)
Escherichia coli	USP NF 43 Chapter <61> and <62>	Dried flower, extract, and derivatives of cannabis	Presence / Absence
Molds and Yeasts	USP NF 43 Chapter <61> and <62>	Dried flower, extract, and derivatives of cannabis	Plate count
Pseudomonas aeruginosa	USP NF 43 Chapter <61> and <62>	Dried flower, extract, and derivatives of cannabis	Presence / Absence, PCR

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Total bacteria count	USP NF 43 Chapter <61> and <62>	Dried flower, extract, and derivatives of cannabis	Plate count
Salmonella Spp	USP NF 43 Chapter <61> and <62>	Dried flower, extract, and derivatives of cannabis	Presence / Absence, PCR

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-2978.

Jason Stine, Vice President