



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 2027

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, 2027**

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	PFQ-CB-004 (USP Chapters <232> and <233>)	Dried flower, extract, and derivatives of cannabis	ICP-MS
Metals Arsenic Cadmium Mercury Lead Nickel Zinc	PFQ-CB-004 (European Pharmacopoeia Cannabis Flower 3028 and 2.4.27.)	Dried flower, extract, and derivatives of cannabis	ICP-MS
Potency	PFQ-CB-001	Dried flower, extract, and derivatives of cannabis	Theoretical calculation

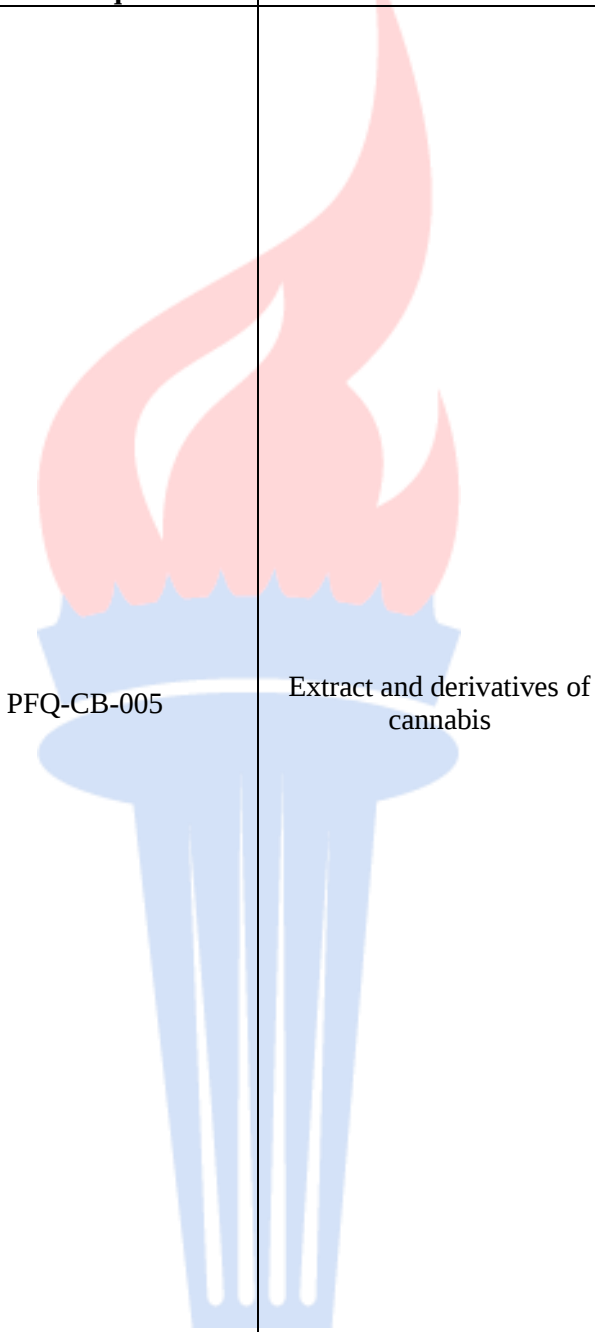
Chemical

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 (CBL) Cannabicyclol acid (CBLA) Cannabidibutol (CBDB) Cannabidiol (CBD) Cannabidiol hydroquinone (CBDHQ) Cannabidiolic acid (CBDA) Cannabidiorcol (CBD C1) Cannabidivarin (CBDV) Cannabidivarinic acid (CBDVA) Cannabigerol (CBG) Cannabigerolic acid (CBGA) Cannabinol (CBN) Tetrahydrocannabivarin (THCV) Δ8-tetrahydrocannabinol (Δ8-THC) Δ9 tetrahydrocannabinolic acid (THCA-A) Δ9-tetrahydrocannabinol (Δ9-THC) Tetrahydrocannabivarinic acid (THCVA)	PFQ-CB-001	Dried flower, extract and derivates of cannabis	HPLC-PDA
Foreign material	PFQ-CB-007 (AOAC 975.48 and 941.6A)	Dried flower of cannabis	Visual aspect
Activity of Water	PFQ-CB-003 (ASTM D8197)	Dried flower of cannabis	Measuring activity water equipment
Moisture	PFQ-CB-003	Dried flower of cannabis	Oven, Balance
Moisture	PFQ-CB-003 (AOAC 925.10)	Derivatives of cannabis	Oven, Balance

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Moisture	PFQ-CB-003 (European Pharmacopoeia 2.2.32 and 2.2.34)	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	Dried flower, extracts, and derivatives of cannabis	UHPLC-MS/MS
Solvents 1,1,1-Trichloroethane 1,1-Dichloroethene 1,2-Dichloroethane 1,2-Dichloroethene (Cis) 1,2-Dichloroethene (Trans) 1,2-Dimethoxyethane 1,4-Dioxane 1-Butanol 1-Pentanol 1-Propanol 2-Butanol (sec-Butyl Alcohol) 2-Butanone (Methyl Ethyl Ketone, MEK) 2-Ethoxyethanol (Cellosolve) 2-Hexanone (Methyl Butyl Ketone, MBK) 2-Methoxyethanol (Methyl Cellosolve) 2-Methyl-1-Propanol (Isobutanol) 3-Methyl-1-Butanol (Isoamyl Alcohol)	PFQ-CB-005	Extract and derivatives of cannabis	HS-GC/MS GC/MS

Chemical

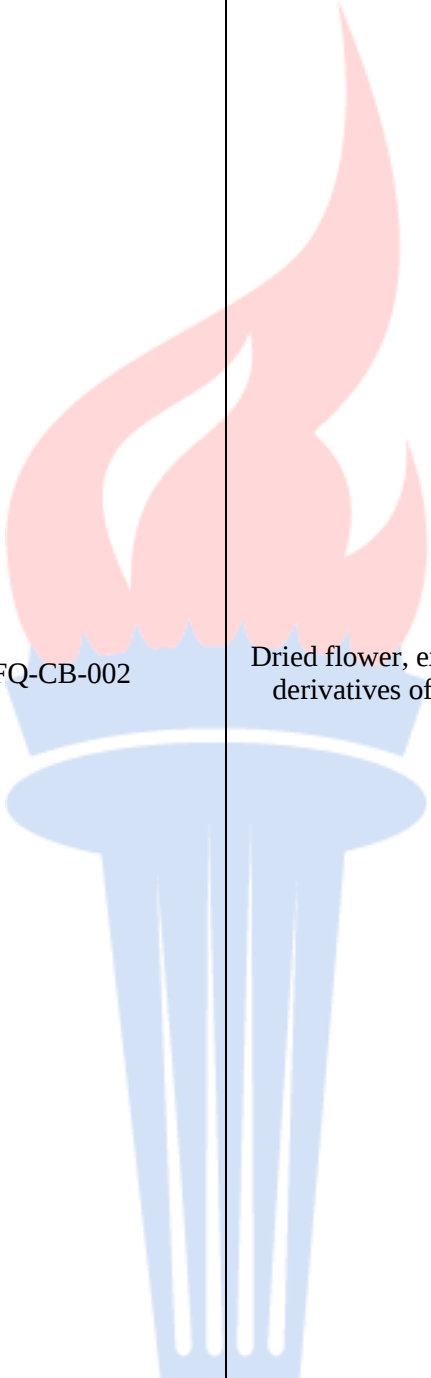
Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Solvents (continued) 4-Methyl-2-Pentanone (Methyl Isobutyl Ketone, MIBK) Acetic Acid Acetone Acetonitrile Anisole Benzene Butyl Acetate Carbon Tetrachloride Chlorobenzene Chloroform Cyclohexane Diethyl ether (Ethyl Ether) Dimethyl Sulfoxide (DMSO) Ethanol Ethyl acetate Ethyl formate Ethylbenzene Ethylene Glycol Formamide Formic Acid Isobutyl Acetate Isopropyl Acetate Isopropyl alcohol Isopropylbenzene (Cumene) Methanol Methyl Acetate Methylcyclohexane Methylene Chloride (Dichloromethane) MethylTert-Butyl Ether (MTBE)	 PFQ-CB-005	Extract and derivatives of cannabis	HS-GC/MS GC/MS

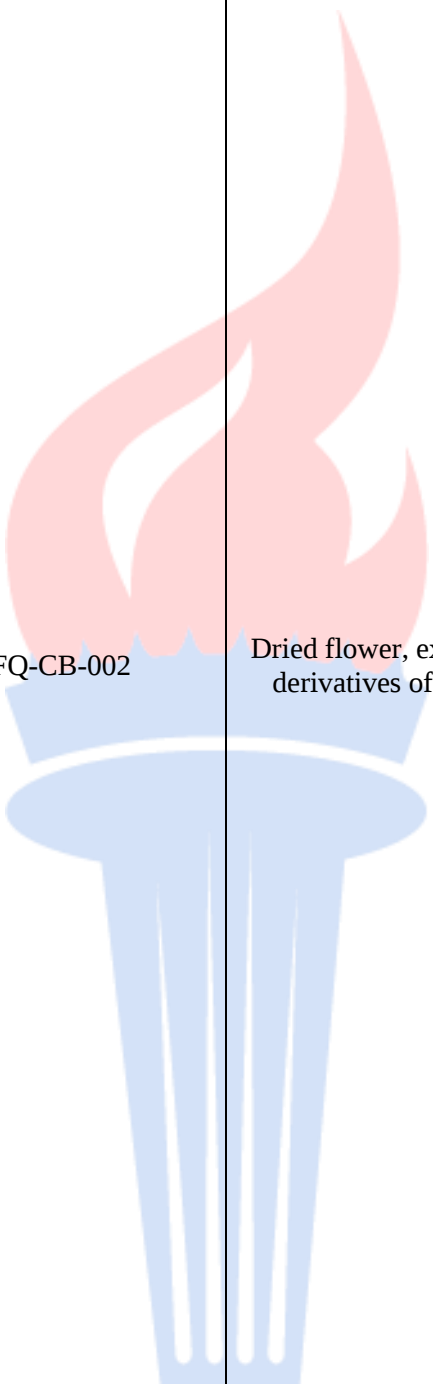
Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Solvents (continued) m-p Xylenes N,N-Dimethylacetamide N,N-Dimethylformamide n-Heptane n-Hexane Nitromethane N-Methylpyrrolidone n-Pentane O-Xylenes Propyl Acetate Pyridine Sulfolane Tetrahydrofuran Tetralin Toluene Trichloroethylene Triethylamine	PFQ-CB-005	Extract and derivatives of cannabis	HS-GC/MS GC/MS
Terpenes (-) α -Bisabolol (-)-beta-Pinene (-)-Caryophyllene oxide (-)-Guaiol (-)-Isopulegol (+)-Cedrol (+)-Pulegone α -Cedrene α -Humulene α -Pinene α -Terpinene α -Terpineol	PFQ-CB-006	Dried flower, extract, and derivatives of cannabis	HS-GC/MS

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Terpenes (continued) β-Caryophyllene β-Myrcene γ-Terpinene γ-Terpineol 1,8-Cineole (Eucalyptol) Borneol Camphene Camphor Carene Cis Nerolidol d-Limonene Fenchone Fenchyl alcohol Geraniol Geranyl acetate Hexahydrothymol Isoborneol Linalool Nerol Ocimene p-Isopropyltoluene (p-cymene) p-Mentha-1,5-diene Sabinene Sabinene hydrate Terpinolene Trans Nerolidol Trans-β-ocimen Valencene	PFQ-CB-006	Dried flower, extract, and derivatives of cannabis	HS-GC/MS

Pesticides Abamectin Acephate Acequinocyl Acetamiprid Aldicarb Allethrin Azadirachtin Azoxystrobin Benzovindiflupyr Bifenazate Bifenthrin Boscalid Buprofezin Captan Carbaryl Carbofuran Chlorantraniliprole 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	 PFQ-CB-002	Dried flower, extracts, and derivatives of cannabis	UHPLC-MS/MS
---	---	--	-------------

Pesticides (continued) Fensulfothion 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 Pyraclostrobin Pyrethrins Pyridaben Quintozene Resmethrin		PFQ-CB-002	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) Spinetoram Spinosad Spirodiclofen Spiromesifen Spirotetramat Spiroxamine Tebuconazole Tebufenozide Teflubenzuron Tetrachlorvinphos Tetramethrin Thiachloprid Thiamethoxam Thiophanate-methyl Trifloxystrobin	PFQ-CB-002	Dried flower, extracts, and derivatives of cannabis	UHPLC-MS/MS
Pesticides Acephate α-Chlordane Alachlor Aldrin Azinphos ethyl Azinphos methyl Bromophos-ethyl Bromophos-methyl Bromopropylate Chlorfenvinphos Chlorpyrifos-ethyl Chlorpyrifos-methyl Chlorthal-dimethyl Cinerin I Cinerin II Cis-Heptachlorepoxyde Cyfluthrin	PFQ-CB-002 (European Pharmacopoeia 2.8.13 and 2.8.18)	Dried flower, extract, and derivatives of cannabis	UHPLC-MS/MS GC-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) Deltamethrin Diazinon Dichlofluanid Dichlorvos Dicofol Dieldrin Dimethoate Dithiocarbamates (expressed as CS ₂) Endosulfan I Endosulfan II Endosulfan sulfate Endrin Ethion Etrimfos Fenchlorphos Fenchlorphos-oxon Fenitrothion Fenpropathrin Fensulfothion Fensulfothion-oxon Fensulfothion-oxonsulfon Fensulfothion-sulfone Fenthion Fenthion sulfone Fenthion sulfoxide Fenthion-oxon Fenthion-oxon-sulfone Fenthion-oxon-sulfoxide Fenvalerate Flucythrinate Fonofos g-Chlordane	PFQ-CB-002 (European Pharmacopoeia 2.8.13 and 2.8.18)	Dried flower, extract, and derivatives of cannabis	UHPLC-MS/MS GC-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) Heptachlor Hexachlorobenzene Jasmolin I Jasmolin II Malaoxon Malathio Mecarbam Methacrifos Methamidophos Methidathion Methoxychlor Methyl paraoxon Methyl parathion Methyl Pentachlorophenyl sulfide Mirex Monocrotophos N-desethyl pirimiphos methyl o,p'-DDE o,p'-DDT o,p'-TDE Omethoate Oxychlordane Isomer p,p'-DDE p,p'-DDT p,p'-TDE Paraoxon-ethyl Parathion-ethyl Pendimethalin	PFQ-CB-002 (European Pharmacopoeia 2.8.13 and 2.8.18)	Dried flower, extract, and derivatives of cannabis	UHPLC-MS/MS GC-MS

Chemical

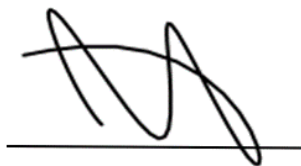
Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Pesticides (continued) Pentachloroaniline Pentachloroanisole Permethrin Phosalone Phosmet Piperonyl butoxide Pirimiphos-ethyl Pirimiphos-methyl Procymidone Profenofos Prothiofos Pyrethrin I Pyrethrin II Quinalphos Quintozene S421 Tecnazene Tetradifon trans-Heptachlorepoxyde Vinclozolin α -Cypermethrin α -Hexachlorocyclohexane β -Cypermethrin β -Hexachlorocyclohexane γ -Hexachlorocyclohexane δ -Hexachlorocyclohexane ϵ -Hexachlorocyclohexane λ -Cyhalothrin τ -Fluvalinate	PFQ-CB-002 (European Pharmacopoeia 2.8.13 and 2.8.18)	Dried flower, extract, and derivatives of cannabis	UHPLC-MS/MS GC-MS

Microbiological

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
<i>Aspergillus</i> spp.	PMB-CB-007 (USP Chapters <61> and <62>)	Dried flower, extract, and derivatives of cannabis	Microscope Presence/Absence
Gram negative bacteria resistant to bile	PMB-CB-004 (USP Chapters <61> and <62>)	Dried flower, extract, and derivatives of cannabis	Multiple tubes (MPN)
Gram negative bacteria resistant to bile	PMB-CB-004 (European Pharmacopoeia 2.6.31 and 2.6.13.)	Dried flower, extract, and derivatives of cannabis	Probable number of bacteria per gram or ml of product
<i>Escherichia coli</i>	PMB-CB-001 (USP Chapters <61> and <62>)	Dried flower, extract, and derivatives of cannabis	Presence / Absence
<i>Escherichia coli</i>	PMB-CB-001 (European Pharmacopoeia 2.6.31 and 2.6.13)	Dried flower, extract, and derivatives of cannabis	Presence / Absence
Molds and Yeasts	PMB-CB-005 (USP Chapters <61> and <62>)	Dried flower, extract, and derivatives of cannabis	Plate count
Molds and Yeasts	PMB-CB-005 (European Pharmacopoeia 2.6.12)	Dried flower, extract, and derivatives of cannabis	Plate count
<i>Pseudomonas aeruginosa</i>	PMB-CB-002 (USP Chapters <61> and <62>)	Dried flower, extract, and derivatives of cannabis	Presence / Absence, PCR
<i>Pseudomonas aeruginosa</i>	PMB-CB-002 (European Pharmacopoeia 2.6.13)	Dried flower, extract, and derivatives of cannabis	Presence / Absence, PCR
Total bacteria count	PMB-CB-006 (USP Chapters <61> and <62>)	Dried flower, extract, and derivatives of cannabis	Plate count
Total bacteria count	PMB-CB-006 (European Pharmacopoeia 2.6.12)	Dried flower, extract, and derivatives of cannabis	Plate count
<i>Salmonella</i> spp.	PMB-CB-003 (USP Chapters <61> and <62>)	Dried flower, extract, and derivatives of cannabis	Presence / Absence, PCR
<i>Salmonella</i> spp.	PMB-CB-003 (European Pharmacopoeia 2.6.13 and 2.6.31)	Dried flower, extract, and derivatives of cannabis	Presence / Absence, PCR
<i>Staphylococcus aureus</i>	PMB-CB-008 (European Pharmacopoeia 2.6.13)	Dried flower, extract, and derivatives of cannabis	Presence / Absence

Note:

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



Jason Stine, Vice President

