



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

ALS Group USA, Corp.
3337 Michelson Drive, Irvine, CA 92612

(Hereinafter called the Organization) and hereby declares that Organization is accredited in accordance with the recognized International Standard:

ISO/IEC 17025:2017
and the
**ILAC G7:02/2016 Accreditation Requirements and
Operating Criteria for Horseracing Laboratories**

This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Chemical Testing
(As detailed in the supplement)

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

<i>Initial Accreditation Date:</i>	<i>Issue Date:</i>	<i>Expiration Date:</i>
December 10, 2020	December 10, 2020	December 1, 2021

<i>Accreditation No.:</i>	<i>Certificate No.:</i>
113426	L20-739

The validity of this certificate is maintained through ongoing assessments based on a continuous accreditation cycle. The validity of this certificate should be confirmed through the PJLA website: www.pjllabs.com



Certificate of Accreditation: Supplement

ALS Group USA, Corp.

3337 Michelson Drive, Irvine, CA 92612

Contact Name: Anthony Fontana Ph.D. Phone: 714-730-6239

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED
Chemical ^F	Biological Material	ELISA	In-House Methods and Manufacturer's Instructions ILAC-G7:02/2016 Immunoassay Kits and Reader
		TCO2	In-House Methods and Manufacturer's Instructions ILAC-G7:02/2016 Direct CO2 Reading Instrument
		Specific Gravity	In-House Methods and Manufacturer's Instructions ILAC-G7:02/2016 Refractometer
		Instrumental Screen	In-House Methods ILAC-G7:02/2016 GC/MS
			In-House Methods ILAC-G7:02/2016 LC/MS
		Drug Confirmation	In-house Methods ILAC-G7:02/2016 GC/MS LC/MS
	Biological Material	pH	In-House Methods and Manufacturer's Instructions ILAC-G7:02/2016 pH Meter
	Biological Material Cannabis and Cannabis Products	Trace Metals	In-House Methods and Manufacturer's Instructions ILAC-G7:02/2016 ICP-OES ICP/MS
	Nutritional Supplements	Liquid Chromatography, Various Detectors	In-House Methods HPLC



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Chemical ^F	Nutritional Supplements	Instrumental Screen	In-House Methods GC/MS	
			In-House Methods LC/MS	
		Confirmation of Chemical Identity	In-house Methods GC/MS LC/MS	
	Plumbing Products	Lead and other Metals	Organics	NSF/ANSI 61 & 372, EPA Methods, In-House Methods ICP-OES ICP/MS
				NSF/ANSI 61, EPA Methods, In house Methods GC/MS LC/MS HPLC
		Anions, Cations, Hexavalent Chromium, Inorganics	NSF/ANSI 61, EPA Methods Ion Chromatograph, Spectrophotometer	
	Rubber, Plastic and Metal Components	Fungus Resistance Testing	MIL-STD-810 Method 508 RTCA/DO-160 Section 13 Fungus Chamber	
	Cannabis and Cannabis Products	Potency, Cannabinoids	In-House Methods HPLC	
		Residual Solvents	In-House Method GC FID/MS	
		Terpenes	In-House Method GC FID/MS	
		Moisture	Loss on Drying/Karl Fisher Oven/Titrator	
		Water Activity	In-House Method Hygrometer	

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer^F would mean that the laboratory performs this testing at its fixed location.
2. The above scope of accreditation was created based on a former ILAC MRA Signatory's certificate policy. Based on the intent of the ILAC MRA, PJLA recognizes other scopes issued by other ILAC signatories. This scope will be modified based on PJLA's Policy following the next on-site assessment