

### PERRY JOHNSON LABORATORY ACCREDITATION, INC.

# Certificate of Accreditation

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

Higher Testing, LLC

105 East Ray Fine Boulevard, Suite B, Roland, OK 79454

(Hereinafter called the Organization) and hereby declares that Organization 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 (as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

Chemical and Microbiological 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

Initial Accreditation Date:	Issue Date:	Expiration Date:
February 04, 2021	March 24, 2023	May 31, 2025
Accreditation N	o.: Certificate	e No.:
108918	L23-24	.7

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: <u>www.pjlabs.com</u>



## Certificate of Accreditation: Supplement

#### Higher Testing, LLC

105 East Ray Fine Boulevard, Suite B, Roland, OK 79454 Contact Name: Ian Miller Phone: 918-571-8757

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	RANGE (WHERE APPROPRIATE) AND
			OR TECHNIQUE USED	DETECTION LIMIT
Chemical F	Cannabis Plant	Metals:	HT-SOP-20	
	Material, Hemp,	Arsenic	ICP-MS	Pb:D.L.= 0.08 ppb
	Cannabis Concentrates,	Cadmium		As:D.L.= 0.04 ppb
	Cannabis Infused	Mercury		Cd:D.L.= 0.25 ppb
	Products, Hemp Infused	Lead		Hg:D.L.= 0.15 ppb
	Products	Pesticides:	HT-SOP-18	
		Spiromesifen	HPLC-MS/MS	D.L.= 0.1 ppm
		Spirotetramat		D.L.= 0.1 ppm
		Tebuconazole		D.L.= 0.1 ppm
		Etoxazole		D.L.= 0.1 ppm
		Imazilil		D.L.= 0.1 ppm
		Imidacloprid		D.L.= 0.1 ppm
		Malathion		D.L.= 0.1 ppm
		Myclobutanil		D.L.= 0.1 ppm
		Azoxystrobin		D.L.= 0.1 ppm
		Bifenazate		D.L.= 0.1 ppm
		Avermectin B1a		D.L.= 0.1 ppm
		Avermectin B1b	$\square$	D.L.= 0.1 ppm
		Cis-Permethrin		D.L.= 0.041 ppm
		Trans-Permethrin		D.L.= 0.058 ppm
		Spinosyn A		D.L.= 0.093 1 ppm
		Spinosyn D		D.L.= 0.039 ppm
		Mycotoxins:	HPLC-MS/MS	
		Aflatoxin B1	HT-SOP-19	D.L.= 10 ppb
		Aflatoxin B2		D.L.= 10 ppb
		Aflatoxin G1		D.L.= 10 ppb
		Aflatoxin G2		D.L.= 10 ppb
		Ochratoxin		D.L.= 10 ppb
		Cannabinoids:	HPLC-DAD	
		CBDV	HT-SOP-14	D.L.= 625 ppm
		CBDa		D.L.= 3 750 ppm
		CBGa		D.L.= 625 ppm
		CBG		D.L.= 625 ppm
		CBD		D.L.= 3 750 ppm
		THCV		D.L.= 625 ppm
		CBN		D.L.= 3 750 ppm
		$\Delta 9$ -THC		D.L.= 3 750 ppm
		Δ8-THC		D.L.= 625 ppm
		CBC		D.L.= 625 ppm
		THCa		D.L.= 3 750 ppm



## Certificate of Accreditation: Supplement

Higher Testing, LLC 105 East Ray Fine Boulevard, Suite B, Roland, OK 79454 Contact Name: Ian Miller Phone: 918-571-8757

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

FIELD	ITEMS, MATERIALS OR	specific tests or	SPECIFICATION,	RANGE (WHERE
OF TEST	PRODUCTS TESTED	PROPERTIES MEASURED	STANDARD METHOD	APPROPRIATE) AND
			OR TECHNIQUE USED	DETECTION LIMIT
Chemical <sup>F</sup>	Cannabis Plant	Terpenes:	GC-MS	
	Material, Hemp,	α-Pinene	HT-SOP-17	D.L.= 50 ppm
	Cannabis Concentrates,	Camphene		D.L.= 50ppm
	Cannabis Infused	β-Pinene		D.L.= 50 ppm
	Products, Hemp Infused	β-Myrcene		D.L.= 50 ppm
	Products	γ-3-Carene		D.L.= 50 ppm
		α-Terpinene		D.L.= 50 ppm
		p-Cymene		D.L.= 50 ppm
		γ-Limonene		D.L.= 50 ppm
		Eucalyptol		D.L.= 50 ppm
		cis-Ocimene		D.L.= 50 ppm
		trans-Ocimene		D.L.= 50 ppm
		γ-Terpinene		D.L.= 50 ppm
		Terpinolene		D.L.= 50 ppm
		Linalool		D.L.= 50 ppm
		Isopulegol		D.L.= 50 ppm
		Geraniol		D.L.= 50 ppm
		β-Caryophyllene	$\square$	D.L.= 50 ppm
		α-Humulene		D.L.= 50 ppm
		cis-Nerolidol		D.L.= 50 ppm
		trans-Nerolidol		D.L.= 50 ppm
		Caryophyllene Oxide		D.L.= 50 ppm
		Guaiol		D.L.= 50 ppm
		α-Bisabolol		D.L.= 50 ppm
		Residual Solvents:	HT-SOP-16	
		Methanol	HS-GC-MS	D.L. = $50 \mu g/g$
		Pentane		D.L. = $50 \mu g/g$
		Ethanol		D.L. = $50 \mu g/g$
		Acetone	J	D.L. = $50 \mu g/g$
		Isopropanol		D.L. = $50 \mu g/g$
		Hexanes		D.L. = $5 \mu g/g$
		Ethyl Acetate		D.L. = $50 \mu g/g$
		Benzene		D.L. = $1 \mu g/g$
		Heptane		D.L. = $50 \mu g/g$
		Toluene		D.L. = $50 \mu g/g$
		Xylenes		D.L. = $50 \mu g/g$
		Propane		D.L. = $500 \mu g/g$
		Butanes		D.L. = $500 \mu g/g$



### Certificate of Accreditation: Supplement

#### Higher Testing, LLC

105 East Ray Fine Boulevard, Suite B, Roland, OK 79454 Contact Name: Ian Miller Phone: 918-571-8757

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	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Chemical <sup>F</sup>	Cannabis Plant Material, Hemp, Cannabis Concentrates,	Moisture	Moisture Analyzer (Ohaus M27) HT-SOP-30	D.L.= 1%
	Cannabis Infused Products, Hemp Infused	Water Activity (aw)	D8196-18, HT-SOP- 39	0.35 $a_w$ to 0.95 $a_w$
Microbiological F	Products	Microbials:	PCR – Pathogen DX	
		Total Yeast and Mold	HT-SOP-22	D.L.= 1 CFU/g
		E.Coli		D.L.= 1 CFU/g
		Salmonella		D.L.= 1 CFU/g
		Staphylococcus Aureus		D.L.= 1 CFU/g
		Aspergillis Flavus		D.L.= 1 CFU/g
		Aspergillis Niger		D.L.= 1 CFU/g
		Aspergillis Fumigatus		D.L.= 1 CFU/g
		Aspergillis Terreus		D.L.= 1 CFU/g
Non-Destructive F		Foreign Material:	HT-SOP-21	Qualitative
		Sand/Soil/Cinders/Dirt	MICROSCOPE	
		Visible Mold		
		Insect Fragment	$\square$	
		Hair		
		Mammalian Excreta		
		Imbedded Foreign		
		Material		

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer <sup>F</sup> would mean that the laboratory performs this testing at its fixed location.