



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## Certificate of Accreditation

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

***New Wave Scientific***  
***10 Greg Street, Suite 148, Sparks, NV 89431***

*(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):

***Biological, Chemical and Non-Destructive 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

*Initial Accreditation Date:*

November 17, 2016

*Issue Date:*

February 14, 2023

*Expiration Date:*

April 30, 2025

*Revision Date:*

December 22, 2023

*Accreditation No.:*

90002

*Certificate No.:*

L23-126-2-R1

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

*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.pjilabs.com](http://www.pjilabs.com)*



# Certificate of Accreditation: Supplement

## New Wave Scientific

10 Greg Street, Suite 148, Sparks, NV 89431  
 Contact Name: Mr. Jeff Angermann Phone: 775-338-4158

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

FLEX CODE	FIELD OF TEST	ITEMS, MATERIALS, OR PRODUCTS TESTED	COMPONENT, CHARACTERISTIC, PARAMETER TESTED	SPECIFICATION OR STANDARD METHOD	TECHNOLOGY OR TECHNIQUE USED
F1, F4	Chemical <sup>F</sup>	Plant Material; Plant Concentrates/Extracts; Foods and Beverages;	<b>Nutrients:</b> Sodium Magnesium Phosphorous Sulfur Potassium Calcium Silicon Manganese Iron Copper Zinc Molybdenum Boron Cobalt Selenium Nitrogen	SOP-000020	ICP-MS ICP-OES
F1, F4		Plant Material	Moisture Content	SOP-000006	Infrared
F1, F4		Foods and Beverages	Water Activity	SOP-000016	Electrolytic Meter
F1, F4	pH		SOP-000015	ISE	
F1, F4	Caffeine		SOP-0022	HPLC	
F1, F4		Plant Material; Plant Concentrates/Extracts; Foods and Beverages; Grow Media	<b>Pesticides:</b> Avermectin B1A Avermectin B1B Acequinocyl Bifenazate Bifenthrin Cyfluthrin Cypermethrin Daminozide Dimethomorph E Dimethomorph Z Etoxazole Fenhexamid Flonicamid Fludioxonil Imidacloprid Myclobutanil Paclobutrazol Piperonyl-Butoxide Cinerin 1 Cinerin 2 Jasmolin 1 Jasmolin 2	SOP-000005	LC-MSMS



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F1, F4	Chemical <sup>F</sup>	Plant Material; Plant Concentrates/Extracts; Foods and Beverages; Grow Media	<b>Pesticides:</b> Pyrethrin 1 Pyrethrin 2 Spinetoram J Spinetoram L Spinosad A Spinosad D Spirotetramat Thiamethoxam Trifloxystrobin PCNB	SOP-00005	LC-MSMS
F1, F4			<b>Heavy Metals:</b> Lead Arsenic Cadmium Mercury Chromium Nickel Barium	SOP-00003	ICP-MS ICP-OES
F1, F4			<b>Pesticides:</b> PCNB	SOP-00005	GC-MSMS GC-ECD
F1, F4		Plant Concentrates/Extracts	<b>Residual Solvents:</b> Butane Ethanol Isobutane Heptane Propane	SOP-00008	GC-FID
F1, F4		Plant Material; Plant Concentrates/Extracts;	<b>Mycotoxins:</b> Aflatoxin B1 Aflatoxin B2 Aflatoxin G1 Aflatoxin G2 Ochratoxin A	SOP-00005	LC-MS/MS



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F1, F4	Chemical <sup>F</sup>	Foods and Beverages; Finished Products, Nutraceuticals	4-DHEA (4-androstene-3 $\alpha$ / $\beta$ -ol-17-one) Desmethyl carbodenafil Didesmethylsibutramine DMAA (1,3-dimethylamylamine) Desmethylsibutramine Fluoxetine Ligandrol (LGD-4033) Ostarine (Enobosarm) Phenolphthalein Sibutramine Sildenafil Sulfoildenafil Tadalafil Vardenafil	SOP-23	LC-MSMS
F1, F4		Plant Material, Foods and Beverages; Finished Products, Nutraceuticals	3-Hydroxy Carbofuran 5-Hydroxythiabendazole Acephate Acetamiprid Acetochlor Aldicarb Aldicarb-sulfone (Aldoxycarb) Aldicarb-sulfoxide Atrazine Azinphos-methyl (Guthion) Azoxystrobin Bendiocarb Bifenazate Bifenthrin Bioallethrin Bioresmethrin Bitertanol Boscalid (Nicobifen) Bromacil Buprofezin Carbaryl Carbendazim (Azole) Carbofuran Chlorantraniliprole Chlorfenapyr Chlorpropham Chlorpyrifos-methyl Chlorpyrifos Clofentezin Clopypalid Clothianidin	SOP-NWS00005 Modified AOAC 2007.1	LC-MSMS GC-MSMS GC-ECD



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F1, F4	Chemical <sup>F</sup>	Plant Material, Foods and Beverages; Finished Products, Nutraceuticals	Coumaphos Cyazofamid Cycloate Cyfluthrin Cyhalothrin Cypermethrin Cyprodinil Cyromazin Deltamethrin Diazinon (Dimpylate) Diazinon oxon Dibrom Dichlorvos Difenconazole Diflubenzuron Dimethomorph Dinotefuran_P Diphenamid Diphenylamine Disulfoton sulfone Diuron Ethephon Ethion Ethoprop (Ethoprophos) Ethoxyquin Etoxazole Famoxadon Fenamidone Fenamiphos Fenamiphos - sulfone Fenamiphos sulfoxide Fenarimol Fenbuconazole Fenhexamid Fenpropathrin Fenpyroximate(E) Fenthion Fipronil Flonicamid Fludioxonil Fluoxastrobin Fluridone Flutolanil Fluvalinate Fonofos	SOP-NWS00005 Modified AOAC 2007.1	LC-MSMS GC-MSMS GC-ECD



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F1, F4	Chemical <sup>F</sup>	Plant Material, Foods and Beverages; Finished Products, Nutraceuticals	Formetanate hydrochloride Hexaconazole Hexythiazox Imazalil Imidacloprid Indoxacarb Iprodione Linuron Malathion Malathion oxygen analog Metalaxyl Methamidophos Methidathion Methiocarb (Mercaptodimethur) Methomyl Methoxyfenozide Metolachlor Metribuzin Mevinphos (Phosdrin) MGK-264 Myclobutanil Napropamide Norflurazon Norflurazon desmethyl Omethoate Oxadixyl Oxamyl Oxamyl oxime Oxydemeton methyl sulfone Pendimethalin (Penoxalin) Permethrin Phenmedipham Phorate Sulfone Phorate sulfoxide Phosalone Phosmet (Imidan) Piperonyl Butoxide Pirimicarb Pirimifos-methyl Prallethrin Prochloraz Procymidon Prometryn Propargite Propiconazole Propyzamide (Pronamide) Pymetrozine Pyraclostrobin	SOP-NWS00005 Modified AOAC 2007.1	LC-MSMS GC-MSMS GC-ECD



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F1, F4	Chemical <sup>F</sup>	Plant Material, Foods and Beverages; Finished Products, Nutraceuticals	Pyridaben Pyrimethanil Pyriproxyfen Quinoxyfen Simazine Spinetoram_J Spinetoram_L Spiromesifen Sulfentrazone Tebuconazole Tebufenozide Tetrachlorvinphos (Dietreen T) Thiabendazole Thiacloprid Thiamethoxam Thiobencarb Thiodicarb Triadimefon Triadimenol Tribufos Trifloxystrobin Triflumizol	SOP-NWS00005 Modified AOAC 2007.1	LC-MSMS GC-MSMS GC-ECD	
F1, F4	Biological <sup>F</sup>	Plant Material; Plant Concentrates/ Extracts; Foods and Beverages; Grow Media	<i>Salmonella</i>	SOP-000004	PCR	
F1, F4			<i>E. coli</i>			
F1, F4			Total Coliform	SOP-000004	PetriFilm	
F1, F4			Enterobacteriaceae			
F1, F4			Yeast and Mold			
F1, F4			Bile-tolerant gram negative bacteria			
F1, F4			Environmental Swab	<i>Listeria</i>		
F1, F4			Environmental samples, Foods, and Beverages	<i>Staphylococcus Aureus</i>		
F1, F4			Plant Material; Plant Concentrates/Extracts; Foods and Beverages; Grow Media	<i>Aspergillus Strains (Niger, Flavus, Fumigatus, Terreus)</i> <i>Salmonella</i> <i>STEC (Shiga Toxin Producing E. Coli)</i>	SOP-000004	PCR



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F1, F4	Biological <sup>F</sup>	Food (Nutraceutical), Beverage, Environmental	Total Aerobic Count Yeast And Mold Total coliform E. coli E. coli (STEC) Salmonella Staphylococcus aureus Enterobacteriaceae Listeria Pseudomonas aeruginosa Bacillus cereus Non-Lactic Acid Bacteria	SOP-NWS-MIC-002 SOP-NWS-MIC-003 SOP-NWS-MIC-004 SOP-NWS-MIC-004 SOP-NWS-MIC-005 SOP-NWS-MIC-005 SOP-NWS-MIC-006 SOP-NWS-MIC-007 SOP-NWS-MIC-008 SOP-NWS-MIC-010 SOP-NWS-MIC-012 SOP-NWS-MIC-013	
F1, F4		Water/Wastewater	Total coliform	SOP-NWS-MIC-011	
F1, F4	Non-Destructive <sup>F</sup>	Plant Material; Plant Concentrates/Extra cts; Foods and Beverages; Grow Media	Visual/Microscopic Inspection	SOP-000007	Microscope

- The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location.
- Flex Code:  
 F1-Introduction of the testing of a new item, material, matrix, or product for an accredited test method  
 F2-Introduction of a new version of an accredited standard method (with no modifications)  
 F3-Introduction of a new parameter/component/analyte to an accredited test method  
 F4- Introduction of a new version or modifications of an accredited non-standard method  
 F5-Introduction of a new method that is equivalent to an accredited method (using same technology or technique)