



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

National Testing Laboratories, Ltd.
556 South Mansfield Street, Ypsilanti, MI 48197

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

ISO/IEC 17025:2005

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 January 2009):

Environmental and Drinking Water 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/Operations Manager

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

Initial Accreditation Date:

July 22, 2011

Extension Date:

October 31, 2019

Issue Date:

August 1, 2017

Accreditation No.:

69017

Expiration Date:

August 31, 2019

Certificate No.:

L17-336

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



Certificate of Accreditation: Supplement

National Testing Laboratory, Ltd.

556 South Mansfield Street, Ypsilanti, MI 48197
 Contact Name: Chrissy MacMillan Phone: 734-483-8333

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
Environmental ^F	Drinking Water	pH	EPA 150.1	N/A
		Aluminum	EPA 200.7	D.L. = 0.010 mg/L
		Barium	EPA 200.7	D.L. = 0.001 mg/L
		Beryllium	EPA 200.7	D.L. = 0.0002 mg/L
		Boron	EPA 200.7	D.L. = 0.010 mg/L
		Calcium	EPA 200.7	D.L. = 0.10 mg/L
		Cadmium	EPA 200.7	D.L. = 0.001 mg/L
		Chromium	EPA 200.7	D.L. = 0.007 mg/L
		Cobalt	EPA 200.7	D.L. = 0.001 mg/L
		Copper	EPA 200.7	D.L. = 0.002 mg/L
		Iron	EPA 200.7	D.L. = 0.020 mg/L
		Magnesium	EPA 200.7	D.L. = 0.50 mg/L
		Manganese	EPA 200.7	D.L. = 0.004 mg/L
		Molybdenum	EPA 200.7	D.L. = 0.001 mg/L
		Nickel	EPA 200.7	D.L. = 0.005 mg/L
		Potassium	EPA 200.7	D.L. = 0.050 mg/L
		Silica	EPA 200.7	D.L. = 0.020 mg/L
		Silver	EPA 200.7	D.L. = 0.001 mg/L
		Sodium	EPA 200.7	D.L. = 0.50 mg/L
		Zinc	EPA 200.7	D.L. = 0.004 mg/L
		Antimony	EPA 200.8	D.L. = 0.0003 mg/L
		Arsenic	EPA 200.8	D.L. = 0.001 mg/L
		Beryllium	EPA 200.8	D.L. = 0.0003 mg/L
		Barium	EPA 200.8	D.L. = 0.001 mg/L
		Cadmium	EPA 200.8	D.L. = 0.001 mg/L
		Chromium	EPA 200.8	D.L. = 0.007 mg/L
		Copper	EPA 200.8	D.L. = 0.002 mg/L
		Lead	EPA 200.8	D.L. = 0.001 mg/L
		Manganese	EPA 200.8	D.L. = 0.004 mg/L
		Mercury	EPA 200.8	D.L. = 0.000 2 mg/L
		Molybdenum	EPA 200.8	D.L. = 0.001 mg/L
		Nickel	EPA 200.8	D.L. = 0.005 mg/L
		Selenium	EPA 200.8	D.L. = 0.001 mg/L
Silver	EPA 200.8	D.L. = 0.001 mg/L		
Thallium	EPA 200.8	D.L. = 0.0003 mg/L		



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Environmental ^F	Drinking Water	Vanadium	EPA 200.8	D.L. = 0.001 mg/L
		Zinc	EPA 200.8	D.L. = 0.004 mg/L
		Arsenic	SM 3113B	D.L. = 0.002 mg/L
		Lead	SM 3113B	D.L. = 0.001 mg/L
		Selenium	SM 3113B	D.L. = 0.002 mg/L
		Bromide	EPA 300.0	D.L. = 0.005 mg/L
		Chloride	EPA 300.0	D.L. = 1.0 mg/L
		Fluoride	EPA 300.0	D.L. = 0.10 mg/L
		Nitrate	EPA 300.0	D.L. = 0.05 mg/L
		Nitrite	EPA 300.0	D.L. = 0.05 mg/L
		Ortho phosphate	EPA 300.0	D.L. = 1.0 mg/L
		Sulfate	EPA 300.0	D.L. = 5.0 mg/L
		Bromate	EPA 300.1	D.L. = 0.005 mg/L
		Bromide	EPA 300.1	D.L. = 0.005 mg/L
		Chlorate	EPA 300.1	D.L. = 0.005 mg/L
		Chlorite	EPA 300.1	D.L. = 0.005 mg/L
		Bromate	EPA 326.0	D.L. = 0.001 mg/L
		1,2-Dibromoethane	EPA 504.1	D.L. = 0.01 µg/L
		1,2-Dibromo-3-Chloropropane	EPA 504.1	D.L. = 0.01 µg/L
		Aldrin	EPA 505	D.L. = 0.07 µg/L
		Chlordane	EPA 505	D.L. = 0.1 µg/L
		Dieldrin	EPA 505	D.L. = 0.02 µg/L
		Endrin	EPA 505	D.L. = 0.01 µg/L
		Heptachlor	EPA 505	D.L. = 0.01 µg/L
		Heptachlor Epoxide	EPA 505	D.L. = 0.01 µg/L
		Hexachlorobenzene	EPA 505	D.L. = 0.1 µg/L
		Hexachlorocyclopentadiene	EPA 505	D.L. = 0.1 µg/L
		Lindane	EPA 505	D.L. = 0.02 µg/L
		Methoxychlor	EPA 505	D.L. = 0.1 µg/L
		Toxaphene	EPA 505	D.L. = 1.0 µg/L
		Aroclor 1016	EPA 505	D.L. = 0.08 µg/L
		Aroclor 1221	EPA 505	D.L. = 0.02 µg/L
		Aroclor 1232	EPA 505	D.L. = 0.5 µg/L
Aroclor 1242	EPA 505	D.L. = 0.3 µg/L		
Aroclor 1248	EPA 505	D.L. = 0.1 µg/L		



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Environmental ^F	Drinking Water	Aroclor 1254	EPA 505	D.L. = 0.1 µg/L
		Aroclor 1260	EPA 505	D.L. = 0.2 µg/L
		2,4,5-TP (Silvex)	EPA 515.4	D.L. = 0.2 µg/L
		2,4-D	EPA 515.4	D.L. = 0.1 µg/L
		Bentazon	EPA 515.4	D.L. = 1.0 µg/L
		Dalapon	EPA 515.4	D.L. = 1.0 µg/L
		Dicamba	EPA 515.4	D.L. = 1.0 µg/L
		Herbicide	EPA 515.4	0.04 µg/L to 1.0 µg/L
		Pentaclorophenol	EPA 515.4	D.L. = 0.04 µg/L
		Picloram	EPA 515.4	D.L. = 0.1 µg/L
		Dichlorodifluoromethane	EPA 524.2	D.L. = 0.000 5 mg/L
		Chloromethane	EPA 524.2	D.L. = 0.000 5 mg/L
		Vinyl Chloride	EPA 524.2	D.L. = 0.000 5 mg/L
		Bromomethane	EPA 524.2	D.L. = 0.000 5 mg/L
		Chloroethane	EPA 524.2	D.L. = 0.000 5 mg/L
		Trichlorofluoromethane	EPA 524.2	D.L. = 0.000 5 mg/L
		1,1-Dichloroethene	EPA 524.2	D.L. = 0.000 5 mg/L
		Freon 113	EPA 524.2	D.L. = 0.000 5 mg/L
		Acetone	EPA 524.2	D.L. = 0.000 5 mg/L
		Methylene Chloride	EPA 524.2	D.L. = 0.000 5 mg/L
		trans-1,2-Dichloroethene	EPA 524.2	D.L. = 0.000 5 mg/L
		MTBE	EPA 524.2	D.L. = 0.000 5 mg/L
		1,1-Dichloroethane	EPA 524.2	D.L. = 0.000 5 mg/L
		cis-1,2-Dichloroethene	EPA 524.2	D.L. = 0.000 5 mg/L
		2,2-Dichloropropane	EPA 524.2	D.L. = 0.000 5 mg/L
		MEK	EPA 524.2	D.L. = 0.005 mg/L
		Bromochloromethane	EPA 524.2	D.L. = 0.000 5 mg/L
		Chloroform	EPA 524.2	D.L. = 0.000 5 mg/L
		1,1,1-Trichloroethane	EPA 524.2	D.L. = 0.000 5 mg/L
		1,1-Dichloropropene	EPA 524.2	D.L. = 0.000 5 mg/L
		Carbon Tetrachloride	EPA 524.2	D.L. = 0.000 5 mg/L
		1,2-Dichloroethane	EPA 524.2	D.L. = 0.000 5 mg/L
		Benzene	EPA 524.2	D.L. = 0.000 5 mg/L
Trichloroethene	EPA 524.2	D.L. = 0.000 5 mg/L		
1,2-Dichloropropane	EPA 524.2	D.L. = 0.000 5 mg/L		



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Environmental ^F	Drinking Water	Dibromomethane	EPA 524.2	D.L. = 0.000 5 mg/L
		Bromodichloromethane	EPA 524.2	D.L. = 0.000 5 mg/L
		cis-1,3-Dichloropropene	EPA 524.2	D.L. = 0.000 5 mg/L
		MIBK	EPA 524.2	D.L. = 0.000 5 mg/L
		Toluene	EPA 524.2	D.L. = 0.000 5 mg/L
		trans-1,3-Dichloropropene	EPA 524.2	D.L. = 0.000 5 mg/L
		1,1,2-Trichloroethane	EPA 524.2	D.L. = 0.000 5 mg/L
		1,3-Dichloropropane	EPA 524.2	D.L. = 0.000 5 mg/L
		Tetrachloroethene	EPA 524.2	D.L. = 0.000 5 mg/L
		Dibromochloromethane	EPA 524.2	D.L. = 0.000 5 mg/L
		1,2-Dibromoethane	EPA 524.2	D.L. = 0.000 5 mg/L
		Chlorobenzene	EPA 524.2	D.L. = 0.000 5 mg/L
		1,1,1,2-Tetrachloroethane	EPA 524.2	D.L. = 0.000 5 mg/L
		Ethylbenzene	EPA 524.2	D.L. = 0.000 5 mg/L
		p & m-Xylenes	EPA 524.2	D.L. = 0.000 5 mg/L
		o-Xylene	EPA 524.2	D.L. = 0.000 5 mg/L
		Styrene	EPA 524.2	D.L. = 0.000 5 mg/L
		Bromoform	EPA 524.2	D.L. = 0.000 5 mg/L
		Isopropylbenzene	EPA 524.2	D.L. = 0.000 5 mg/L
		1,1,2,2-Tetrachloroethane	EPA 524.2	D.L. = 0.000 5 mg/L
		1,2,3-Trichloropropane	EPA 524.2	D.L. = 0.000 5 mg/L
		Bromobenzene	EPA 524.2	D.L. = 0.000 5 mg/L
		n-Propylbenzene	EPA 524.2	D.L. = 0.000 5 mg/L
		2-Chlorotoluene	EPA 524.2	D.L. = 0.000 5 mg/L
		1,3,5-Trimethylbenzene	EPA 524.2	D.L. = 0.000 5 mg/L
		4-Chlorotoluene	EPA 524.2	D.L. = 0.000 5 mg/L
		tert-Butylbenzene	EPA 524.2	D.L. = 0.000 5 mg/L
		1,2,3-Trichloropropane	EPA 524.2	D.L. = 0.000 5 mg/L
		Bromobenzene	EPA 524.2	D.L. = 0.000 5 mg/L
		1,2,4-Trimethylbenzene	EPA 524.2	D.L. = 0.000 5 mg/L
		sec-Butylbenzene	EPA 524.2	D.L. = 0.000 5 mg/L
		4-Isopropyltoluene	EPA 524.2	D.L. = 0.000 5 mg/L
1,3-Dichlorobenzene	EPA 524.2	D.L. = 0.000 5 mg/L		
1,4-Dichlorobenzene	EPA 524.2	D.L. = 0.000 5 mg/L		
n-Butylbenzene	EPA 524.2	D.L. = 0.000 5 mg/L		



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Environmental ^F	Drinking Water	1,2-Dichlorobenzene	EPA 524.2	D.L. = 0.000 5 mg/L
		1,2-Dibromo-3- Chloropropane	EPA 524.2	D.L. = 0.000 5 mg/L
		1,3,5-Trichlorobenzene	EPA 524.2	D.L. = 0.000 5 mg/L
		1,2,4-Trichlorobenzene	EPA 524.2	D.L. = 0.000 5 mg/L
		Hexachlorobutadiene	EPA 524.2	D.L. = 0.000 5 mg/L
		Naphthalene	EPA 524.2	D.L. = 0.000 5 mg/L
		1,2,3-Trichlorobenzene	EPA 524.2	D.L. = 0.000 5 mg/L
		Alachlor	EPA 525.2	D.L. = 0.2 µg/L
		Aldrin	EPA 525.2	D.L. = 0.2 µg/L
		Atrazine	EPA 525.2	D.L. = 0.1 µg/L
		Benzo[a]pyrene	EPA 525.2	D.L. = 0.01 µg/L
		Butachlor	EPA 525.2	D.L. = 0.2 µg/L
		Dieldrin	EPA 525.2	D.L. = 0.2 µg/L
		Di(2-ethylhexyl)adipate	EPA 525.2	D.L. = 0.2 µg/L
		Di(2-ethylhexyl)phthalate	EPA 525.2	D.L. = 0.6 µg/L
		Endrin	EPA 525.2	D.L. = 0.2 µg/L
		Heptachlor	EPA 525.2	D.L. = 0.2 µg/L
		Heptachlor Epoxide	EPA 525.2	D.L. = 0.2 µg/L
		Hexachlorobenzene	EPA 525.2	D.L. = 0.2 µg/L
		Hexachlorocyclopentadiene	EPA 525.2	D.L. = 0.2 µg/L
		Lindane	EPA 525.2	D.L. = 0.2 µg/L
		Methoxychlor	EPA 525.2	D.L. = 0.2 µg/L
		Metribuzin	EPA 525.2	D.L. = 0.2 µg/L
		Metolachlor	EPA 525.2	D.L. = 0.2 µg/L
		Molinate	EPA 525.2	D.L. = 0.2 µg/L
		Propachlor	EPA 525.2	D.L. = 0.2 µg/L
		Simazine	EPA 525.2	D.L. = 0.07 µg/L
		Thiobencarb	EPA 525.2	D.L. = 0.2 µg/L
		Carbamates	EPA 531.2	D.L. = 1.0 µg/L
		Aldicarb Sulfoxide	EPA 531.2	D.L. = 1.0 µg/L
		Aldicarb	EPA 531.2	D.L. = 1.0 µg/L
		Aldicarb Sulfone	EPA 531.2	D.L. = 0.66 µg/L
		Carbofuran	EPA 531.2	D.L. = 1.0 µg/L
Glyphosate	EPA 547	D.L. = 0.006 mg/L		
Endothall	EPA 548.1	D.L. = 0.009 mg/L		



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Environmental ^F	Drinking Water	Diquat	EPA 549.2	D.L. = 0.4 µg/L
		Dibromoacetic Acid (DBAA)	EPA 552.2	D.L. = 0.001 mg/L
		Dichloroacetic Acid (DCAA)	EPA 552.2	D.L. = 0.001 mg/L
		Monobromoacetic Acid (MBAA)	EPA 552.2	D.L. = 0.001 mg/L
		Monochloroacetic Acid (MCAA)	EPA 552.2	D.L. = 0.001 mg/L
		Trichloroacetic Acid (TCAA)	EPA 552.2	D.L. = 0.001 mg/L
		Dalapon	EPA 552.2	D.L. = 0.001 mg/L
		Color	SM 2120 B	D.L. = 3 PCU
		Turbidity	SM 2130B	D.L. = 0.1 NTU
		Odor	SM 2150B	1 Threshold Odor Number (TON)
		Alkalinity	SM 2320B	D.L. = 20 mg/L
		Hardness	SM 2340B	D.L. = 10 mg/L
		Chlorine	SM 4500 CL-G	D.L. = 0.05 mg/L
		Total Organic Carbon	SM 5310C	D.L. = 0.2 mg/L
		Foam Agents - Surfactants	SM 5540C	D.L. = 0.1 mg/L
		TSS	SM2540 D	D.L. = 5 mg/L
		Hardness	SM 2340C	D.L. = 10 mg/L
		Conductivity	SM 2510B	D.L. = 1 µmho/cm
		Chlorine Dioxide	SM 4500 C102-D	D.L. = 0.1 mg/L
		Total Dissolved Solids	SM 2540C	D.L. = 5 mg/L
Heterotrophic Plate Count	SM 9215B	D.L. = 1 CFU/mL		
Total Coliform and E. coli - Colilert Quantitray	SM 9223B	Presence/absence or 1 MPN/100 mL		

- 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.