



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

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

Eberline Analytical – Oak Ridge Laboratory
601 Scarboro Road, Oak Ridge, TN 37830-7371

(Hereinafter called the Organization) and hereby declares that Organization has met the requirements of ISO/IEC 17025:2017) “General Requirements for the competence of Testing and Calibration Laboratories” and the DOE Quality Systems Manual for Environmental Laboratories Version 5.3, May 2019 and is accredited in accordance with the:

United States Department of Energy Consolidated Audit Program-Accreditation Program (DOECAP-AP)

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):

Environmental 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 21, 2018	December 31, 2020	December 31, 2022
<i>Accreditation No.:</i>	<i>Certificate No.:</i>	
70747	L20-795	

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

ISO/IEC 17025:2017 and DOE CAP-AP

Eberline Analytical – Oak Ridge Laboratory

601 Scarborough Road, Oak Ridge, TN 37830-7371

Contact Name: Jason Bailey Phone: 865-481-0683

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

Matrix	Standard/Method	Technology	Analyte
Aqueous	EPA 900.0	Alpha Beta GPC	Gross Alpha & Beta
Aqueous	EPA 901.1	Gamma Spectroscopy	Gamma Emitting Radionuclides
Aqueous	EPA 903.0	Alpha GPC	Total Radium
Aqueous	EPA 904.0	Beta GPC	Radium-228
Aqueous	EPA 906.0	Beta LSC	Tritium
Aqueous	EPA 908.0	Alpha Spectroscopy	Isotopic Uranium
Solid	EiChromM Am-01	Alpha Spectroscopy	Isotopic Curium
Air/Aqueous	Eberline SOP EiChroM AM-01	Alpha Spectroscopy	Isotopic Curium
Air/Solid	Eberline SOP EiChroM AM-01	Alpha Spectroscopy	Americium-241
Air/Solid	Eberline SOP EML Pb-01	Beta GPC	Lead-210
Air/Solid	Eberline SOP EML Po-01	Alpha Spectroscopy	Polonium-210
Air/Solid	Eberline SOP EML U-02	Alpha Spectroscopy	Isotopic Uranium
Air/Solid	Eberline SOP EPA 903.0	Alpha GPC	Total Radium
Air/Solid	Eberline SOP EPA 904.0	Beta GPC	Radium-228
Air/Solid	LANL ER-130	Gamma Spectroscopy	Gamma Emitting Radionuclides
Aqueous/Solid	Eberline SOP AP-009	Beta LSC	Total Activity
Aqueous/Solid	EiChromM Am-01	Alpha Spectroscopy	Americium-241
Air/Aqueous/Solid	EiChromM Am-01	Alpha Spectroscopy	Americium-243
Air/Aqueous/Solid	AP-026	Beta LSC	Carbon-14
Air/Aqueous/Solid	AP-016	Beta GPC	Chlorine-36
Air/Aqueous/Solid	Eberline SOP EML Pu-01	Alpha Spectroscopy	Isotopic Plutonium
Air/Aqueous/Solid	Eberline SOP EML Th-01	Alpha Spectroscopy	Isotopic Thorium
Air/Aqueous/Solid	EiChroM Np-01	Alpha Spectroscopy	Neptunium-237
Air/Aqueous/Solid	Eberline SOP EiChroM Ni-01	Beta LSC	Nickel-63
Air/Aqueous/Solid	EML PU-01	Beta LSC	Plutonium-241
Air/Aqueous/Solid	Eberline SOP EPA 903.0	Alpha Spectroscopy	Radium-226
Air/Aqueous/Solid	EiChroM Sr-01	Beta GPC	Strontium-90
Air/Aqueous/Solid	EiChroM Tc-01	Beta LSC	Technetium-99
Air/Aqueous/Solid	EiChroM Sr-01	Beta GPC	Total Strontium
Air/Aqueous/Solid	ASTM D-5174	KPA	Total Uranium