



# CERTIFICATE OF ACCREDITATION

**The ANSI National Accreditation Board**

Hereby attests that

**Enthalpy Analytical, LLC**  
**1 Lafayette Rd.**  
**Hampton, NH 03842**

Fulfills the requirements of

**ISO/IEC 17025:2017**

and

**U.S. Department of Defense (DoD) Quality Systems Manual**  
**for Environmental Laboratories (DoD QSM V5.3)**

In the field of

**TESTING**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 28 November 2024

Certificate Number: L2340



This laboratory 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 (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017  
AND  
U.S. DEPARTMENT OF DEFENSE (DOD) QUALITY SYSTEMS MANUAL  
FOR ENVIRONMENTAL LABORATORIES (DOD QSM V 5.3)**

**Enthalpy Analytical, LLC**

1 Lafayette Rd.  
Hampton, NH 03842  
Michael Salema  
603-926-3345

**TESTING**

Valid to: **November 28, 2024**

Certificate Number: **L2340**

**Environmental**

<b>Toxicology- Whole Effluent Testing</b>		
<b>Technology</b>	<b>Method</b>	<b>Analyte</b>
Bioassay	EPA-821-R-02-013, Method 1000	Fathead Minnow Larval Survival & Growth, Chronic Assay
Bioassay	EPA-821-R-02-013, Method 1002	Ceriodaphnia dubia Survival & Reproduction, Chronic Assay
Bioassay	EPA-821-R-02-014, Method 1007	Mysidopsis bahia Survival, Growth, & Fecundity, Chronic Assay
Bioassay	EPA-821-R-02-014, Method 1008	Arbacia punctulata Sperm Immobilization, Chronic Assay
Bioassay	ASTM E 1563	Arbacia punctulata Embryo Acute Exposure Assay
Bioassay	EPA-821-R-02-014, Method 1006	Menidia beryllina Larval Survival & Growth, Chronic Assay
Bioassay	EPA-821-R-02-012, Method 2000	Fathead Minnow, Acute Assay
Bioassay	EPA-821-R-02-012, Method 2002	Ceriodaphnia dubia, Acute Assay
Bioassay	EPA-821-R-02-012, Method 2007	Americamysis bahia, Acute Assay
Bioassay	EPA-821-R-02-012, Method 2006	Menidia beryllina, Acute Assay



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Toxicology – Sediment and Soil		
Technology	Method	Analyte
Bioassay	ASTM E 1706 EPA 600-R-99-064, Method 100.1	Fresh Water Amphipod 10-day Acute Exposure Assay (eg. <i>Hyalella azteca</i> )
Bioassay	ASTM E 1706 EPA 600-R-99-064, Method 100.2	Freshwater Midge Larvae 10-day Acute Exposure Assay (eg. <i>Chironomus dilutus</i> )
Bioassay	EPA 600-R-99-064, Method 100.3	<i>Lumbriculus variegatus</i> 28-day Bioaccumulation Assay
Bioassay	EPA 600-R-99-064, Method 100.4	Fresh Water Amphipod 28/42-day Acute Exposure Assay (eg. <i>Hyalella azteca</i> )
Bioassay	ASTM E 1706 EPA 600-R-99-064, Method 100.5	Freshwater Midge Larvae Life Cycle Chronic Exposure Assay with 20 day endpoint (eg. <i>Chironomus dilutus</i> )
Bioassay	ASTM E 1367 EPA 600/R-01/020	Estuarine/Marine Amphipod 10-day Chronic Exposure Assay (eg. <i>Leptocheirus plumulosus</i> )
Bioassay	EPA 600/R-01/020	Estuarine/Marine Amphipod 28-day Chronic Exposure Assay (eg. <i>Leptocheirus plumulosus</i> )
Bioassay	ASTM E 1563	Echinoderm Embryo Acute Exposure Assay (eg. <i>Arbacia punctulata</i> )
Bioassay	ASTM E 1611	Marine Polychaete Sediment Toxicity Test ( <i>Neanthes arenaceodentata</i> )
Bioassay	ASTM E 1688	Benthic Invertebrate Bioaccumulation Evaluation (eg. <i>Nereis virens</i> , <i>Macoma nasuta</i> , <i>Eisneia fetida</i> , <i>Lumbriculus variegatus</i> , <i>Leptocheirus plumulosus</i> , <i>Hyalella azteca</i> )
Bioassay	EPA 823-B-98-004	Acute Exposure, 10-day, Marine Sediment Evaluation (eg. <i>Leptocheirus plumulosus</i> , <i>Ampelisca abdita</i> )
Bioassay	EPA 823-B-98-004	Acute Exposure Water Column, Suspended Particulate Phase, Invertebrate Assays
Bioassay	EPA 823-B-98-004	Benthic Invertebrate Bioaccumulation Evaluation (eg. <i>Nereis virens</i> , <i>Macoma nasuta</i> )
Bioassay	ASTM E 1676	Soil toxicity or bioaccumulation test with earthworms (eg. <i>Eisenia fetida</i> )

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. L2340.

R. Douglas Leonard Jr., VP, PILR SBU