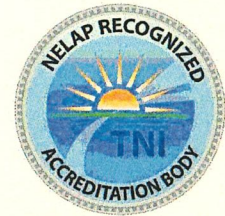




# Oregon Environmental Laboratory Accreditation Program



NELAP Recognized

**Enthalpy Analytical, LLC**  
**4053**

4340 Vandever Avenue  
San Diego, CA 92120

IS GRANTED APPROVAL BY ORELAP UNDER THE 2016 TNI STANDARDS, TO PERFORM ANALYSES ON ENVIRONMENTAL SAMPLES IN MATRICES AS LISTED BELOW :

Air	Drinking Water	Non-Potable Water	Solids & Chem. Waste	Tissue
		Toxicity Testing	Toxicity Testing	

AND AS RECORDED IN THE LIST OF APPROVED ANALYTES, METHODS, ANALYTICAL TECHNIQUES, AND FIELDS OF TESTING ISSUED CONCURRENTLY WITH THIS CERTIFICATE AND REVISED AS NECESSARY.

ACCREDITED STATUS DEPENDS ON SUCCESSFUL ONGOING PARTICIPATION IN THE PROGRAM AND CONTINUED COMPLIANCE WITH THE STANDARDS.

CUSTOMERS ARE URGED TO VERIFY THE LABORATORY'S CURRENT ACCREDITATION STATUS IN OREGON.

Oregon State Public Health Laboratory  
ORELAP Program Manager  
7202 NE Evergreen Parkway, Suite 100  
Hillsboro, OR 97124

EFFECTIVE DATE : 09/20/2024  
EXPIRATION DATE : 09/19/2025  
Certificate No : 4053 - 011





# Oregon

## Environmental Laboratory Accreditation Program

### ORELAP Fields of Accreditation



Enthalpy Analytical, LLC  
4340 Vandever Avenue  
San Diego, CA 92120

**ORELAP ID:** 4053  
**EPA CODE:** CA01257  
**Certificate:** 4053 - 011

Issue Date: 9/20/2024 Expiration Date: 9/19/2025

As of 9/20/2024 this list supersedes all previous lists for this certificate number.

MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description	
Non-Potable Water	EPA 600/R-95/136			1st	2002	920	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms	
		3310	Atherinops affinis					
		3335	Crassostrea gigas					
		3351	Dendraster excentricus					
		3362	Haliotis rufescens					
		3370	Holmesimysis costata					
		3375	Macrocystis pyrifera					
		3400	Mytilus spp.					
		3430	Strongylocentrotus purpuratus					
	EPA 821/R-02/012; 2000.0						902	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3410	Pimephales promelas					
	EPA 821/R-02/012; 2002.0						901	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3315	Ceriodaphnia dubia					
		3372	Hyalella azteca					
	EPA 821/R-02/012; 2006.0				5	2002	903	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
3310		Atherinops affinis						
3380		Menidia beryllina						
EPA 821/R-02/012; 2007.0				5	2002	904	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms	
	3395	Americamysis bahia						
EPA 821/R-02/012; 2021.0				5th	2002	900	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms	
	3350	Daphnia magna						
	3355	Daphnia pulex						
	3372	Hyalella azteca						



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
<b>Non-Potable Water</b>	EPA 821/R-02/013; 1000.0	3410	Pimephales promelas			10252605	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
	EPA 821/R-02/013; 1002.0	3315	Ceriodaphnia dubia			10253006	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
	EPA 821/R-02/013; 1003.0	3420	Selenastrum capricornutum		2002	10253200	Green Alga Growth, chronic (EPA 821/R-02/013)
	EPA 821/R-02/014; 1006.0	3380	Menidia beryllina		2002	10253802	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
	EPA 821/R-02/014; 1007.0	3395	Americamysis bahia		2002	10254009	Mysid Survival, Growth, and Fecundity, chronic (EPA 821/R-02/014)
<b>Solids</b>	ASTM E 1022 - 94	3400	Mytilus spp.			919	Standard Guide for Conducting Bioconcentration Tests with Fishes and Saltwater Bivalve Mollusks
	ASTM E 1367-03	3302	Ampelisca abdita		2008	912	Standard Test Method for Measuring the Toxicity of Sediment-Associated Contaminants with Estuarine and Marine Invertebrates
		3358	Eohaustorius estuarius				
		3461	Leptocheirus Plumulosus				
		3413	Rhepoxynius abronius				
	ASTM E 1563-98	3351	Dendraster excentricus		2008	913	Standard Guide for Conducting Static Acute Toxicity Tests with Echinoid Embryos
		3430	Strongylocentrotus purpuratus				
	ASTM E 1611	3401	Neanthes arenaceoventata			957	Standard Guide for Conducting Sediment Toxicity Tests with Polychaetous Annelids



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Solids	ASTM E 1676-12	3357	Eisenia fetida	2012		914	Earthworm Bioassay Protocol for Soil Toxicity Screening
	ASTM E 1688-19	3463	Lumbriculus variegatus	2019		915	Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates
		3464	Macoma nasuta				
		3402	Nereis virens				
	ASTM E 1706-20	3323	Chironomus dilutus	2020		916	Standard Test Method for Measuring the Toxicity of Sediment-Associated Contaminants with Freshwater Invertebrates
		3372	Hyalella azteca				
		3463	Lumbriculus variegatus				
	ASTM E 724-98	3335	Crassostrea gigas	2012		917	Standard Guide for Conducting Static Acute Toxicity Tests Starting with Embryos of Four Species of Saltwater Bivalve Molluscs
		3400	Mytilus spp.				
	EPA 600/R-01/020	3461	Leptocheirus Plumulosus			956	Standard Test Method for Measuring the Toxicity of Sediment-Associated Contaminants with Estuarine and Marine Invertebrates
	EPA 600/R-94/025; 100.4	3302	Ampelisca abdita			952	Standard Test Method for Measuring the Toxicity of Sediment-Associated Contaminants with Estuarine and Marine Invertebrates
		3358	Eohaustorius estuarius				
		3461	Leptocheirus Plumulosus				
		3413	Rhepoxynius abronius				
	EPA 600/R-99/064; 100.1	3372	Hyalella azteca	2nd	2002	950	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms



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MATRIX	Reference	Analyte Code	Analyte	Revision	Rev. Date	Method Code	Description
Solids	EPA 600/R-99/064; 100.2	3323	Chironomus dilutus	2		906	Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates
	EPA 600/R-99/064; 100.3	3463	Lumbriculus variegatus	2		907	Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates
	EPA 600/R-99/064; 100.4	3372	Hyalella azteca		2000	10294527	Test for Measuring the Effects of Sediment-associated Contaminants on Survival, Growth, and Reproduction
	EPA 600/R-99/064; 100.5	3323	Chironomus dilutus	2		953	Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates
	Polisini & Miller (CDFG 1988)	3410	Pimephales promelas			970	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
	PSEP (1995)				1995	980	Standard Test Method for Measuring the Toxicity of Sediment-Associated Contaminants with Estuarine and Marine Invertebrates
		3302	Ampelisca abdita				
		3335	Crassostrea gigas				
		3351	Dendroaster excentricus				
		3358	Eohaustorius estuarius				
		3400	Mytilus spp.				
		3401	Neanthes arenaceoventata				
		3413	Rhepoxynius abronius				
		3430	Strongylocentrotus purpuratus				
	WDOE 80-12, 2020					2020	918
	3405	Oncorhynchus mykiss					
WDOE 96-327						905	Earthworm Bioassay Protocol for Soil Toxicity Screening
	3357	Eisenia fetida					