



**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 and Chemical 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.

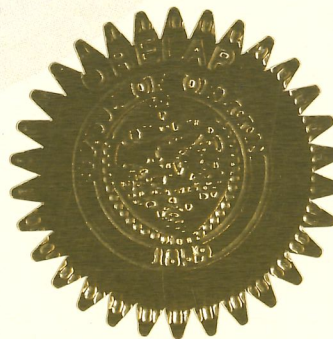
CUSTOMERS ARE URGED TO VERIFY THE LABORATORY'S CURRENT ACCREDITATION STATUS IN
OREGON.

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

EFFECTIVE DATE : 9/20/2021

EXPIRATION DATE : 9/19/2022

Certificate No : 4053 - 008





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ORELAP Fields of Accreditation



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ORELAP ID: 4053

EPA CODE: CA01257

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Issue Date: 9/20/2021 Expiration Date: 9/19/2022

As of 9/20/2021 this list supersedes all previous lists for this certificate number.

Matrix	Reference	Analyte Code	Analyte	Method Code	Description
Non-Potable Water					
	EPA 600/R-95/136 1st			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	Hyaella azteca		
	EPA 821/R-02/012; 2006.0 5			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			904	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3395	Americamysis bahia		
	EPA 821/R-			900	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
	02/012; 2021.0 5th				Freshwater and Marine Organisms
		3350	Daphnia magna		
		3355	Daphnia pulex		
		3372	Hyalella azteca		
EPA 821/R-02/013; 1000.0				10252605	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3410	Pimephales promelas		
EPA 821/R-02/013; 1002.0				10253006	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3315	Ceriodaphnia dubia		
EPA 821/R-02/013; 1003.0				10253200	Green Alga Growth, chronic (EPA 821/R-02/013)
		3420	Selenastrum capricornutum		
EPA 821/R-02/014; 1006.0				10253802	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3380	Menidia beryllina		
EPA 821/R-02/014; 1007.0				10254009	Mysid Survival, Growth, and Fecundity, chronic (EPA 821/R-02/014)
		3395	Americamysis bahia		

Solids

ASTM E 1022 - 94		919		Standard Guide for Conducting Bioconcentration Tests with Fishes and Saltwater Bivalve Mollusks
	3400	Mytilus spp.		
ASTM E 1367-03 2008		912		Standard Test Method for Measuring the Toxicity of Sediment-Associated Contaminants with Estuarine and Marine Invertebrates
	3302	Ampelisca abdita		
	3358	Eohaustorius estuarius		
	3461	Leptocheirus Plumulosus		
	3413	Rhepoxynius abronius		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
	ASTM E 1563-98 2008			913	Standard Guide for Conducting Static Acute Toxicity Tests with Echinoid Embryos
		3351	Dendraster excentricus		
		3430	Strongylocentrotus purpuratus		
	ASTM E 1611			957	Standard Guide for Conducting Sediment Toxicity Tests with Polychaetous Annelids
		3401	Neanthes arenaceodentata		
	ASTM E 1676-12 2012			914	Earthworm Bioassay Protocol for Soil Toxicity Screening
		3357	Eisenia fetida		
	ASTM E 1688-10 2010			915	Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates
		3463	Lumbriculus variegatus		
		3464	Macoma nasuta		
		3402	Nereis virens		
	ASTM E 1706-05 2010			916	Standard Test Method for Measuring the Toxicity of Sediment-Associated Contaminants with Freshwater Invertebrates
		3323	Chironomus dilutus		
		3372	Hyaella azteca		
		3463	Lumbriculus variegatus		
	ASTM E 724-98 2012			917	Standard Guide for Conducting Static Acute Toxicity Tests Starting with Embryos of Four Species of Saltwater Bivalve Molluscs
		3335	Crassostrea gigas		
		3400	Mytilus spp.		
	EPA 600/R-01/020			956	Standard Test Method for Measuring the Toxicity of Sediment-Associated Contaminants with Estuarine and Marine Invertebrates
		3461	Leptocheirus Plumulosus		
	EPA 600/R-94/025; 100.4			952	Standard Test Method for Measuring the Toxicity of Sediment-Associated Contaminants with Estuarine and Marine Invertebrates



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		3302	Ampelisca abdita		
		3358	Eohaustorius estuarius		
		3461	Leptocheirus Plumulosus		
		3413	Rhepoxynius abronius		
EPA 600/R-99/064; 100.1 2nd				950	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3372	Hyaella azteca		
EPA 600/R-99/064; 100.2 2				906	Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates
		3323	Chironomus dilutus		
EPA 600/R-99/064; 100.3 2				907	Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates
		3463	Lumbriculus variegatus		
EPA 600/R-99/064; 100.5 2				953	Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates
		3323	Chironomus dilutus		
Polisini & Miller (CDFG 1988)				970	Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms
		3410	Pimephales promelas		
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	Dendraster excentricus		
		3358	Eohaustorius estuarius		
		3400	Mytilus spp.		
		3401	Neanthes		



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Matrix	Reference	Analyte Code	Analyte	Method Code	Description
			arenaceodontata		
		3413	Rhepoxynius abronius		
		3430	Strongylocentrotus purpuratus		
WDOE 80-12, 2009				918	Biological Test Methods for the Designation of Dangerous Waste
		3405	Oncorhynchus mykiss		
WDOE 96-327				905	Earthworm Bioassay Protocol for Soil Toxicity Screening
		3357	Eisenia fetida		