



# OREGON

## Environmental Laboratory Accreditation Program



NELAP Recognized

**Kuo Testing Labs  
4084**

337 1st Ave S  
Othello, WA 99344

IS GRANTED APPROVAL BY ORELAP UNDER THE 2009 TNI STANDARDS, TO PERFORM ANALYSES ON ENVIRONMENTAL SAMPLES IN MATRICES AS LISTED BELOW :

<i>Air</i>	<i>Drinking Water</i>	<i>Non Potable Water</i>	<i>Solids and Chem. Waste</i>	<i>Tissue</i>
	Chemistry Microbiology	Chemistry Microbiology		

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.

Gary K. Ward, MS  
Oregon State Public Health Laboratory  
ORELAP Administrator  
3150 NW. 229th Ave, Suite 100  
Hillsboro, OR 97124



ISSUE DATE : 02/15/2016

EXPIRATION DATE : 02/14/2017

Certificate No : 4084 - 001



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## Environmental Laboratory Accreditation Program



**ORELAP Fields of Accreditation**

**ORELAP ID:** 4084

Kuo Testing Labs

**EPA CODE:**

337 1st Ave S

**Certificate:** 4084 - 001

Othello, WA 99344

Issue Date: 2/26/2016 Expiration Date: 2/14/2017

**As of 2/26/2016 this list supercedes all previous lists for this certificate number.**

MATRIX	Reference	Code	Analyte	Code	Description	
<b>Drinking Water</b>	EPA 200.7 5			10014003	ICP - metals	
		1000	Aluminum			
		1015	Barium			
		1020	Beryllium			
		1030	Cadmium			
		1035	Calcium			
		1055	Copper			
		1760	Hardness (calc.)			
		1070	Iron			
		1075	Lead			
		1085	Magnesium			
		1090	Manganese			
		1100	Molybdenum			
		1105	Nickel			
		1125	Potassium			
		1155	Sodium			
		1190	Zinc			
		SM 2120 B-2001 online			20039309	Color by Visual Comparison
			1605	Color		
	SM 2130 B 21st ED			20042608	Turbidity by Nephelometric Method	
		2055	Turbidity			
	SM 2320 B-97 1997			20045607	Alkalinity by Titration Method	
		1505	Alkalinity as CaCO3			
	SM 2510 B-97 1997			20048606	Conductivity by Probe	
		1610	Conductivity			
	SM 2540 B-97 1997			20049405	Total Solids Dried at 103 - 105C	
		1950	Residue-total			
	SM 2540 C-97 1997			20050402	Total Dissolved Solids Dried at 180C	
		1955	Residue-filterable (TDS)			
	SM 2540 D-97 1997			20051201	Total Suspended Solids Dried at 103 - 105C	
		1960	Residue-nonfilterable (TSS)			
	SM 2540 E-1997			20051585	Fixed & Volatile Solids Ignited at 550 C	
		1970	Residue-volatile			
	SM 4500-CI B 21st ED			20078200	Chloride by Iodometric Method I	
		1575	Chloride			



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Drinking Water	Method	Parameter	Method ID	Method Description
	SM 4500-Cl E 21st ED	1575 Chloride	20080200	Chloride by Low-Level Amperometric Titration Method
	SM 4500-F <sup>-</sup> C- 97 online	1730 Fluoride	20102403	Fluoride by Ion-Selective Electrode Method
	SM 4500-NH3 D-97 online	1515 Ammonia as N	20109404	Ammonia by Ammonia-Selective Electrode Method .
	SM 4500-NO3 <sup>-</sup> F 21st ED	1810 Nitrate as N 1820 Nitrate-nitrite 1840 Nitrite as N	20116409	Nitrate by Automated Cadmium Reduction Method
	SM 4500-P E- 97 online	1870 Orthophosphate as P	20124203	Phosphorus by Ascorbic Acid Method
	SM 4500-SO4 <sup>-</sup> E 20th ED	2000 Sulfate	20132803	Sulfate by Turbidity
	SM 9223 B (Colilert Quanti-Tray)-2004 22nd Ed	2525 Escherichia coli 2500 Total coliforms	20211614	Enzyme Substrate Coliform Test (Colilert Quanti-Tray)
	SM 9223 B (Colilert) 22nd Ed	2525 Escherichia coli 2500 Total coliforms	20212413	Enzyme Substrate Coliform Test (Colilert) P/A
	SM 9223 B (Colisure®) 18th ED	2525 Escherichia coli 2500 Total coliforms	20231009	Chromogenic/Fluorogenic Qualitative (Colisure®): Total Coliform and E. coli

Non-Potable Water	Method	Parameter	Method ID	Method Description
	EPA 200.7 5	1000 Aluminum 1005 Antimony 1010 Arsenic 1015 Barium 1020 Beryllium 1030 Cadmium 1035 Calcium 1055 Copper 1760 Hardness (calc.) 1070 Iron 1075 Lead 1085 Magnesium	10014003	ICP - metals

**Non-Potable Water**

EPA 200.7 5	1090	Manganese		
	1100	Molybdenum		
	1105	Nickel		
	1140	Selenium		
	1155	Sodium		
	1165	Thallium		
	1190	Zinc		
SM 2120 B-2001 online	1605	Color	20039309	Color by Visual Comparison
SM 4500-Cl B 21st ED	1575	Chloride	20078200	Chloride by Iodometric Method I
SM 4500-Cl E 21st ED	1575	Chloride	20080200	Chloride by Low-Level Amperometric Titration Method
SM 4500-F <sup>-</sup> C-97 online	1730	Fluoride	20102403	Fluoride by Ion-Selective Electrode Method
SM 4500-NH <sub>3</sub> D-97 online	1515	Ammonia as N	20109404	Ammonia by Ammonia-Selective Electrode Method .
SM 4500-NO <sub>3</sub> <sup>-</sup> F 21st ED	1810	Nitrate as N	20116409	Nitrate by Automated Cadmium Reduction Method
	1820	Nitrate-nitrite		
	1840	Nitrite as N		
SM 4500-P E-97 online	1870	Orthophosphate as P	20124203	Phosphorus by Ascorbic Acid Method
SM 4500-SO <sub>4</sub> <sup>-</sup> E 20th ED	2000	Sulfate	20132803	Sulfate by Turbidity
SM 5220 D-97 online	1565	Chemical oxygen demand	20136805	COD by Closed Reflux, Colorimetric Method
SM 9223 B (Colilert Quanti-Tray)-2004 22nd Ed	2525	Escherichia coli	20211614	Enzyme Substrate Coliform Test (Colilert Quanti-Tray)
	2500	Total coliforms		