

The State of
Department



Washington
of Ecology

Kuo Testing Labs, Inc.
Othello, WA

has complied with provisions set forth in Chapter 173-50 WAC and is hereby recognized by the Department of Ecology as an ACCREDITED LABORATORY for the analytical parameters listed on the accompanying Scope of Accreditation. This certificate is effective September 3, 2019 and shall expire September 2, 2020.

Witnessed under my hand on September 24, 2019

Rebecca Wood
Lab Accreditation Unit Supervisor

Laboratory ID
C548

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

Kuo Testing Labs, Inc.

Othello, WA

is accredited for the analytes listed below using the methods indicated. Full accreditation is granted unless stated otherwise in a note. EPA is the U.S. Environmental Protection Agency. SM is "Standard Methods for the Examination of Water and Wastewater." SM refers to EPA approved method versions. ASTM is the American Society for Testing and Materials. USGS is the U.S. Geological Survey. AOAC is the Association of Official Analytical Chemists. Other references are described in notes.

Matrix/Analyte	Method	Notes
<i>Drinking Water</i>		
Color	SM 2120 B-2011	2,88
Turbidity	SM 2130 B-2011	2,88
Alkalinity	SM 2320 B-2011	2,88
Specific Conductance	SM 2510 B-2011	2,88
Solids, Total	SM 2540 B-2011	2,88
Solids, Total Dissolved	SM 2540 C-2011	2,88
Chloride	SM 4500-Cl ⁻ B-2011	2,88
Fluoride	SM 4500-F ⁻ C-2011	2,88
Nitrate	SM 4500-NO ₃ ⁻ F-2011	2,88
Nitrate + Nitrite	SM 4500-NO ₃ ⁻ F-2011	2,88
Nitrite	SM 4500-NO ₃ ⁻ F-2011	2,88
Sulfate	SM 4500-SO ₄ ⁻ E-2011	2,88
Aluminum	EPA 200.5_4.2_2003	
Barium	EPA 200.5_4.2_2003	
Beryllium	EPA 200.5_4.2_2003	
Cadmium	EPA 200.5_4.2_2003	
Chromium	EPA 200.5_4.2_2003	
Copper	EPA 200.5_4.2_2003	
Iron	EPA 200.5_4.2_2003	
Lead	EPA 200.5_4.2_2003	
Manganese	EPA 200.5_4.2_2003	

Matrix/Analyte	Method	Notes
<i>Drinking Water</i>		
Nickel	EPA 200.5_4.2_2003	
Zinc	EPA 200.5_4.2_2003	
Aluminum	EPA 200.7_4.4_1994	2
Antimony	EPA 200.7_4.4_1994	1,2
Arsenic	EPA 200.7_4.4_1994	1,2
Barium	EPA 200.7_4.4_1994	2
Beryllium	EPA 200.7_4.4_1994	1,2
Cadmium	EPA 200.7_4.4_1994	2
Calcium	EPA 200.7_4.4_1994	2
Chromium	EPA 200.7_4.4_1994	2
Copper	EPA 200.7_4.4_1994	2
Hardness (calc.)	EPA 200.7_4.4_1994	2
Iron	EPA 200.7_4.4_1994	2
Lead	EPA 200.7_4.4_1994	2
Magnesium	EPA 200.7_4.4_1994	2
Manganese	EPA 200.7_4.4_1994	2
Molybdenum	EPA 200.7_4.4_1994	2
Nickel	EPA 200.7_4.4_1994	2
Potassium	EPA 200.7_4.4_1994	2
Selenium	EPA 200.7_4.4_1994	1,2
Sodium	EPA 200.7_4.4_1994	2
Zinc	EPA 200.7_4.4_1994	2
Total coli/E.coli - detect	SM 9223 B Colilert 18® (PA)	2,3
<i>Non-Potable Water</i>		
Nitrogen, Total Kjeldahl	EPA 351.2_2_1993	2
Color	SM 2120 B-2011	2,88
Turbidity	SM 2130 B-2011	2,88
Alkalinity	SM 2320 B-2011	2,88
Specific Conductance	SM 2510 B-2011	2,88
Solids, Total	SM 2540 B-2011	2,88
Solids, Total Dissolved	SM 2540 C-2011	2,88


Matrix/Analyte	Method	Notes
Non-Potable Water		
Solids, Total Suspended	SM 2540 D-2011	2,88
Chloride	SM 4500-Cl ⁻ B-2011	2,88
Fluoride	SM 4500-F ⁻ C-2011	2,88
Ammonia	SM 4500-NH ₃ D-2011	2,88
Nitrate	SM 4500-NO ₃ ⁻ F-2011	2,88
Nitrate + Nitrite	SM 4500-NO ₃ ⁻ F-2011	2,88
Nitrite	SM 4500-NO ₃ ⁻ F-2011	2,88
Orthophosphate	SM 4500-P E-2011	2,88
Sulfate	SM 4500-SO ₄ ⁻ F-2011	2,88
Aluminum	EPA 200.5_4.2_2003	
Antimony	EPA 200.5_4.2_2003	
Arsenic	EPA 200.5_4.2_2003	
Barium	EPA 200.5_4.2_2003	
Beryllium	EPA 200.5_4.2_2003	
Cadmium	EPA 200.5_4.2_2003	
Chromium	EPA 200.5_4.2_2003	
Copper	EPA 200.5_4.2_2003	
Iron	EPA 200.5_4.2_2003	
Lead	EPA 200.5_4.2_2003	
Manganese	EPA 200.5_4.2_2003	
Nickel	EPA 200.5_4.2_2003	
Selenium	EPA 200.5_4.2_2003	
Zinc	EPA 200.5_4.2_2003	
Aluminum	EPA 200.7_4.4_1994	2
Antimony	EPA 200.7_4.4_1994	2
Arsenic	EPA 200.7_4.4_1994	2
Barium	EPA 200.7_4.4_1994	2
Beryllium	EPA 200.7_4.4_1994	2
Cadmium	EPA 200.7_4.4_1994	2
Calcium	EPA 200.7_4.4_1994	2
Chromium	EPA 200.7_4.4_1994	2
Copper	EPA 200.7_4.4_1994	2

Matrix/Analyte	Method	Notes
<i>Non-Potable Water</i>		
Hardness (calc.)	EPA 200.7_4.4_1994	2
Iron	EPA 200.7_4.4_1994	2
Lead	EPA 200.7_4.4_1994	2
Magnesium	EPA 200.7_4.4_1994	2
Manganese	EPA 200.7_4.4_1994	2
Molybdenum	EPA 200.7_4.4_1994	2
Nickel	EPA 200.7_4.4_1994	2
Phosphorus	EPA 200.7_4.4_1994	2
Potassium	EPA 200.7_4.4_1994	2
Selenium	EPA 200.7_4.4_1994	2
Sodium	EPA 200.7_4.4_1994	2
Thallium	EPA 200.7_4.4_1994	1,2
Zinc	EPA 200.7_4.4_1994	2
Fecal coliform-count	Colilert 18® QTray® (Fecal coliform in wastewater)	2
<i>Solid and Chemical Materials</i>		
Arsenic	EPA 6010C_(2/07)	2
Cadmium	EPA 6010C_(2/07)	2
Chromium	EPA 6010C_(2/07)	2
Cobalt	EPA 6010C_(2/07)	2
Copper	EPA 6010C_(2/07)	2
Lead	EPA 6010C_(2/07)	2
Molybdenum	EPA 6010C_(2/07)	2
Nickel	EPA 6010C_(2/07)	2
Selenium	EPA 6010C_(2/07)	2
Zinc	EPA 6010C_(2/07)	2

Matrix/Analyte	Method	Notes
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Accredited Parameter Note Detail

(1) Provisional accreditation pending submittal of acceptable Proficiency Testing (PT) results (WAC 173-50-110)
(2) Accreditation based in part on recognition of Oregon NELAP accreditation.(88) Interim Washington accreditation pending receipt of an updated Scope from ORELAP. This accreditation is based in part on recognition of your currently held accreditations for previous method versions. (3) Provisional accreditation pending submittal of an updated ORELAP Scope specifying the formulation accredited, and acceptable PT results citing the formulation as part of the method citation.



09/24/2019

Authentication Signature

Date

Rebecca Wood, Lab Accreditation Unit Supervisor