



State of Florida  
Department of Health, Bureau of Laboratories  
This is to certify that  
E82001

ADVANCED ENVIRONMENTAL LABORATORIES, INC. - GAINESVILLE  
6815 SW ARCHER ROAD  
GAINESVILLE, FL 32608

has complied with Florida Administrative Code 64E-1,  
for the examination of Environmental samples in the following categories

DRINKING WATER - MICROBIOLOGY, DRINKING WATER - PRIMARY INORGANIC CONTAMINANTS, DRINKING WATER - SECONDARY INORGANIC CONTAMINANTS, NON-POTABLE WATER - GENERAL CHEMISTRY, NON-POTABLE WATER - METALS, NON-POTABLE WATER - MICROBIOLOGY, SOLID AND CHEMICAL MATERIALS - GENERAL CHEMISTRY, SOLID AND CHEMICAL MATERIALS - METALS

Continued certification is contingent upon successful on-going compliance with the NELAC Standards and FAC Rule 64E-1 regulations. Specific methods and analytes certified are cited on the Laboratory Scope of Accreditation for this laboratory and are on file at the Bureau of Laboratories, P. O. Box 210, Jacksonville, Florida 32231. Clients and customers are urged to verify with this agency the laboratory's certification status in Florida for particular methods and analytes.

EFFECTIVE July 01, 2009 THROUGH June 30, 2010



A handwritten signature in black ink, appearing to read "Max Salfinger".

Max Salfinger, M.D.  
Chief, Bureau of Laboratories  
Florida Department of Health  
DH Form 1697, 7/04

NON-TRANSFERABLE E82001-22-07/01/2009  
Supersedes all previously issued certificates



**Laboratory Scope of Accreditation**

**Attachment to Certificate #: E82001-22, expiration date June 30, 2010. This listing of accredited analytes should be used only when associated with a valid certificate.**

State Laboratory ID: **E82001**

EPA Lab Code: **FL00244**

**(352) 377-2349**

**E82001**

**Advanced Environmental Laboratories, Inc. - Gainesville  
6815 SW Archer Road  
Gainesville, FL 32608**

Matrix: **Drinking Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Chloride	EPA 300.0	Secondary Inorganic Contaminants	NELAP	4/1/2009
Color	SM 2120 B	Secondary Inorganic Contaminants	NELAP	4/1/2009
Escherichia coli	COLITAG	Microbiology	NELAP	2/1/2007
Fecal coliforms	SM 9222 D	Microbiology	NELAP	2/1/2007
Fluoride	EPA 300.0	Primary Inorganic Contaminants	NELAP	2/1/2007
Nitrate as N	EPA 300.0	Primary Inorganic Contaminants	NELAP	2/1/2007
Nitrite as N	EPA 300.0	Primary Inorganic Contaminants	NELAP	2/1/2007
Odor	SM 2150 B	Secondary Inorganic Contaminants	NELAP	4/1/2009
Orthophosphate as P	EPA 300.0	Primary Inorganic Contaminants	NELAP	2/1/2007
pH	EPA 150.1	Primary Inorganic Contaminants	NELAP	2/1/2007
pH	SM 4500-H+-B	Secondary Inorganic Contaminants	NELAP	4/1/2009
Residue-filterable (TDS)	EPA 160.1	Secondary Inorganic Contaminants	NELAP	4/1/2009
Residue-filterable (TDS)	SM 2540 C	Secondary Inorganic Contaminants	NELAP	4/1/2009
Sulfate	EPA 300.0	Primary Inorganic Contaminants	NELAP	2/1/2007
Surfactants - MBAS	EPA 425.1	Secondary Inorganic Contaminants	NELAP	4/1/2009
Surfactants - MBAS	SM 5540 C	Secondary Inorganic Contaminants	NELAP	4/1/2009
Total coliforms	COLITAG	Microbiology	NELAP	2/1/2007
Total coliforms	SM 9222 B	Microbiology	NELAP	2/1/2007
Total nitrate-nitrite	EPA 300.0	Primary Inorganic Contaminants	NELAP	2/1/2007

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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Alkalinity as CaCO3	EPA 310.1	General Chemistry	NELAP	12/21/2001
Alkalinity as CaCO3	SM 2320 B	General Chemistry	NELAP	11/24/2008
Aluminum	EPA 200.7	Metals	NELAP	12/21/2001
Aluminum	EPA 6010	Metals	NELAP	7/1/2003
Ammonia as N	EPA 350.1	General Chemistry	NELAP	12/21/2001
Antimony	EPA 200.7	Metals	NELAP	12/21/2001
Antimony	EPA 6010	Metals	NELAP	7/1/2003
Arsenic	EPA 200.7	Metals	NELAP	12/21/2001
Arsenic	EPA 6010	Metals	NELAP	12/21/2001
Barium	EPA 200.7	Metals	NELAP	12/21/2001
Barium	EPA 6010	Metals	NELAP	7/1/2003
Beryllium	EPA 200.7	Metals	NELAP	12/21/2001
Beryllium	EPA 6010	Metals	NELAP	7/1/2003
Biochemical oxygen demand	EPA 405.1	General Chemistry	NELAP	12/21/2001
Biochemical oxygen demand	SM 5210 B	General Chemistry	NELAP	12/21/2001
Boron	EPA 200.7	Metals	NELAP	12/21/2001
Boron	EPA 6010	Metals	NELAP	7/1/2003
Cadmium	EPA 200.7	Metals	NELAP	12/21/2001
Cadmium	EPA 6010	Metals	NELAP	12/21/2001
Calcium	EPA 200.7	Metals	NELAP	12/21/2001
Calcium	EPA 6010	Metals	NELAP	7/1/2003
Carbonaceous BOD (CBOD)	SM 5210 B	General Chemistry	NELAP	12/21/2001
Chemical oxygen demand	EPA 410.4	General Chemistry	NELAP	12/21/2001
Chloride	EPA 300.0	General Chemistry	NELAP	2/1/2007
Chloride	EPA 325.2	General Chemistry	NELAP	12/21/2001
Chloride	SM 4500 Cl- E	General Chemistry	NELAP	11/24/2008
Chlorophylls	SM 10200 H	General Chemistry	NELAP	12/21/2001
Chromium	EPA 200.7	Metals	NELAP	12/21/2001
Chromium	EPA 6010	Metals	NELAP	7/1/2003
Chromium VI	EPA 7196	General Chemistry	NELAP	12/21/2001
Chromium VI	SM 3500-Cr B (20th/21st Ed.)/UV-VIS	General Chemistry	NELAP	2/1/2007
Cobalt	EPA 200.7	Metals	NELAP	12/21/2001
Cobalt	EPA 6010	Metals	NELAP	7/1/2003
Color	EPA 110.2	General Chemistry	NELAP	12/21/2001
Color	SM 2120 B	General Chemistry	NELAP	11/24/2008
Color	SM 2120 C	General Chemistry	NELAP	11/24/2008

**Clients and Customers are urged to verify the laboratory's current certification status with the Environmental Laboratory Certification Program.**

**Issue Date: 7/1/2009**

**Expiration Date: 6/30/2010**

**Laboratory Scope of Accreditation**

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**Advanced Environmental Laboratories, Inc. - Gainesville  
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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Conductivity	EPA 120.1	General Chemistry	NELAP	3/18/2008
Copper	EPA 200.7	Metals	NELAP	12/21/2001
Copper	EPA 220.2	Metals	NELAP	12/21/2001
Copper	EPA 6010	Metals	NELAP	12/21/2001
Copper	EPA 7211	Metals	NELAP	3/31/2009
Copper	SM 3113 B	Metals	NELAP	11/24/2008
Cyanide	EPA 335.2	General Chemistry	NELAP	12/21/2001
Cyanide	SM 4500-CN E	General Chemistry	NELAP	11/24/2008
Enterococci	EPA 1600	Microbiology	NELAP	3/31/2009
Escherichia coli	EPA 1603	Microbiology	NELAP	3/31/2009
Fecal coliforms	SM 9222 D	Microbiology	NELAP	2/1/2007
Fluoride	EPA 300.0	General Chemistry	NELAP	2/1/2007
Hardness	SM 2340 B	General Chemistry	NELAP	3/31/2009
Iron	EPA 200.7	Metals	NELAP	12/21/2001
Iron	EPA 6010	Metals	NELAP	7/1/2003
Kjeldahl nitrogen - total	EPA 351.2	General Chemistry	NELAP	12/21/2001
Lead	EPA 200.7	Metals	NELAP	12/21/2001
Lead	EPA 6010	Metals	NELAP	12/21/2001
Lithium	SM 3111 B	Metals	NELAP	12/21/2001
Magnesium	EPA 200.7	Metals	NELAP	12/21/2001
Magnesium	EPA 6010	Metals	NELAP	7/1/2003
Manganese	EPA 200.7	Metals	NELAP	12/21/2001
Manganese	EPA 6010	Metals	NELAP	7/1/2003
Molybdenum	EPA 200.7	Metals	NELAP	12/21/2001
Molybdenum	EPA 6010	Metals	NELAP	12/21/2001
Nickel	EPA 200.7	Metals	NELAP	12/21/2001
Nickel	EPA 6010	Metals	NELAP	12/21/2001
Nitrate as N	EPA 300.0	General Chemistry	NELAP	2/1/2007
Nitrate-nitrite	EPA 353.2	General Chemistry	NELAP	12/21/2001
Nitrate-nitrite	SM 4500-NO3 F	General Chemistry	NELAP	11/24/2008
Nitrite	SM 4500-NO2 B	General Chemistry	NELAP	11/24/2008
Nitrite as N	EPA 300.0	General Chemistry	NELAP	2/1/2007
Nitrite as N	EPA 354.1	General Chemistry	NELAP	12/21/2001
Organic nitrogen	TKN minus AMMONIA	General Chemistry	NELAP	12/21/2001
Orthophosphate as P	EPA 300.0	General Chemistry	NELAP	2/1/2007
Orthophosphate as P	EPA 365.2	General Chemistry	NELAP	12/21/2001

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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Orthophosphate as P	SM 4500-P E	General Chemistry	NELAP	11/24/2008
pH	EPA 150.1	General Chemistry	NELAP	12/21/2001
pH	EPA 9040	General Chemistry	NELAP	7/1/2003
pH	SM 4500-H+-B	General Chemistry	NELAP	11/24/2008
Phosphorus, total	EPA 365.1	General Chemistry	NELAP	12/21/2001
Phosphorus, total	EPA 365.3	General Chemistry	NELAP	12/21/2001
Potassium	EPA 200.7	Metals	NELAP	12/21/2001
Potassium	EPA 6010	Metals	NELAP	4/20/2006
Residue-filterable (TDS)	EPA 160.1	General Chemistry	NELAP	12/21/2001
Residue-filterable (TDS)	SM 2540 C	General Chemistry	NELAP	11/24/2008
Residue-nonfilterable (TSS)	EPA 160.2	General Chemistry	NELAP	12/21/2001
Residue-nonfilterable (TSS)	SM 2540 D	General Chemistry	NELAP	12/21/2001
Residue-total	EPA 160.3	General Chemistry	NELAP	12/21/2001
Residue-total	SM 2540 B	General Chemistry	NELAP	12/21/2001
Residue-volatile	EPA 160.4	General Chemistry	NELAP	12/21/2001
Residue-volatile	SM 2540 E	General Chemistry	NELAP	12/21/2001
Salmonella	SM 9260 B/MF-QL	Microbiology	NELAP	3/31/2009
Selenium	EPA 200.7	Metals	NELAP	12/21/2001
Selenium	EPA 6010	Metals	NELAP	12/21/2001
Silica as SiO2	SM 4500-SiO2 C (20th/21st Ed.)	General Chemistry	NELAP	3/31/2009
Silica-dissolved	EPA 370.1	General Chemistry	NELAP	12/21/2001
Silver	EPA 272.2	Metals	NELAP	12/21/2001
Silver	EPA 7761	Metals	NELAP	7/1/2003
Silver	SM 3113 B	Metals	NELAP	11/24/2008
Sodium	EPA 200.7	Metals	NELAP	12/21/2001
Sodium	EPA 6010	Metals	NELAP	7/1/2003
Strontium	EPA 200.7	Metals	NELAP	4/20/2006
Strontium	EPA 6010	Metals	NELAP	7/1/2003
Sulfate	EPA 300.0	General Chemistry	NELAP	3/31/2009
Sulfate	EPA 375.4	General Chemistry	NELAP	12/21/2001
Surfactants - MBAS	EPA 425.1	General Chemistry	NELAP	3/31/2009
Surfactants - MBAS	SM 5540 C	General Chemistry	NELAP	3/31/2009
Thallium	EPA 200.7	Metals	NELAP	12/21/2001
Thallium	EPA 6010	Metals	NELAP	4/20/2006
Tin	EPA 282.2	Metals	NELAP	12/21/2001
Tin	SM 3113 B	Metals	NELAP	11/24/2008

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Matrix: **Non-Potable Water**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Titanium	EPA 200.7	Metals	NELAP	4/20/2006
Titanium	EPA 6010	Metals	NELAP	7/1/2003
Total coliforms	SM 9222 B	Microbiology	NELAP	2/1/2007
Total cyanide	EPA 9010/9014	General Chemistry	NELAP	7/1/2003
Total nitrate-nitrite	EPA 300.0	General Chemistry	NELAP	2/1/2007
Total nitrogen	TKN + Total nitrate-nitrite	General Chemistry	NELAP	3/31/2009
Total organic carbon	EPA 415.1	General Chemistry	NELAP	12/21/2001
Total organic carbon	SM 5310B	General Chemistry	NELAP	11/24/2008
Turbidity	EPA 180.1	General Chemistry	NELAP	12/21/2001
Un-ionized Ammonia	DEP SOP 10/03/83	General Chemistry	NELAP	12/21/2001
Vanadium	EPA 200.7	Metals	NELAP	12/21/2001
Vanadium	EPA 6010	Metals	NELAP	7/1/2003
Zinc	EPA 200.7	Metals	NELAP	12/21/2001
Zinc	EPA 6010	Metals	NELAP	12/21/2001



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Matrix: **Solid and Chemical Materials**

Analyte	Method/Tech	Category	Certification Type	Effective Date
Aluminum	EPA 6010	Metals	NELAP	12/21/2001
Antimony	EPA 6010	Metals	NELAP	12/21/2001
Arsenic	EPA 6010	Metals	NELAP	12/21/2001
Barium	EPA 6010	Metals	NELAP	12/21/2001
Beryllium	EPA 6010	Metals	NELAP	12/21/2001
Boron	EPA 6010	Metals	NELAP	12/21/2001
Cadmium	EPA 6010	Metals	NELAP	12/21/2001
Calcium	EPA 6010	Metals	NELAP	12/21/2001
Chromium	EPA 6010	Metals	NELAP	12/21/2001
Cobalt	EPA 6010	Metals	NELAP	12/21/2001
Copper	EPA 6010	Metals	NELAP	12/21/2001
Iron	EPA 6010	Metals	NELAP	12/21/2001
Lead	EPA 6010	Metals	NELAP	12/21/2001
Magnesium	EPA 6010	Metals	NELAP	12/21/2001
Manganese	EPA 6010	Metals	NELAP	12/21/2001
Molybdenum	EPA 6010	Metals	NELAP	12/21/2001
Nickel	EPA 6010	Metals	NELAP	12/21/2001
pH	EPA 9040	General Chemistry	NELAP	12/21/2001
pH	EPA 9045	General Chemistry	NELAP	12/21/2001
Potassium	EPA 6010	Metals	NELAP	9/10/2004
Residue-total	EPA 160.3	General Chemistry	NELAP	3/31/2009
Residue-total	SM 2540 G	General Chemistry	NELAP	3/31/2009
Selenium	EPA 6010	Metals	NELAP	12/21/2001
Silver	EPA 7761	Metals	NELAP	12/21/2001
Sodium	EPA 6010	Metals	NELAP	12/21/2001
Strontium	EPA 6010	Metals	NELAP	12/21/2001
Titanium	EPA 6010	Metals	NELAP	12/21/2001
Total cyanide	EPA 9010/9014	General Chemistry	NELAP	11/14/2006
Vanadium	EPA 6010	Metals	NELAP	12/21/2001
Zinc	EPA 6010	Metals	NELAP	12/21/2001