



State of California—Health and Human Services Agency  
Department of Health Services



Arnold Schwarzenegger  
Governor

June 1, 2007

Certificate No.: 1551

BRUCE L. GOVE  
ALPHA ANALYTICAL LABORATORIES INC.  
208 MASON STREET  
UKIAH, CA 95482

Dear BRUCE L. GOVE:

This is to advise you that the laboratory named above continues to be certified as an environmental testing laboratory pursuant to the provisions of the California Environmental Laboratory Improvement Act (Health and Safety Code (HSC), Division 101, Part 1, Chapter 4, Section 100825, et seq.). Certification for all currently certified Fields of Testing that the laboratory has applied for renewal shall remain in effect until **06/30/2009** unless revoked.

**Please note that the renewal application for certification is subject to an on-site visit, and continued use of the certificate is contingent upon:**

- \* **successful completion of the site visit;**
- \* **acceptable performance in the required performance evaluation (PE) studies;**
- \* **timely payment of all fees, including an annual fee due before June 30, 2008;**
- \* **compliance with Environmental Laboratory Accreditation Program (ELAP) statutes (HSC, Section 100825, et seq.) and Regulations (California Code of Regulations (CCR), Title 22, Division 4, Chapter 19).**

An updated "Approved Fields of Testing" will be issued to the laboratory upon completion of the renewal process. The application for the next renewal must be received 90 days before the expiration of this certificate to remain in force according to the CCR, Section 64801 through 64827.

Please note that the laboratory is required to notify ELAP of any major changes in the laboratory such as the transfer of ownership, change of laboratory director, change in location, or structural alterations which may affect adversely the quality of analyses (HSC, Section 100845(b)(d)). Please include the above certificate number in all your correspondence to ELAP.

If you have any questions, please contact Wanda Porter at (510) 620-3159.

Sincerely,

George C. Kulasingam, Ph.D.

Program Chief  
Environmental Laboratory Accreditation Program

**CALIFORNIA DEPARTMENT OF HEALTH SERVICES  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM**

**Accredited Fields of Testing**

ALPHA ANALYTICAL LABORATORIES INC.

Lab Phone (707) 468-0401

208 MASON STREET  
UKIAH, CA 95482

Certificate No: 1551      Renew Date: 06/30/2007

**Field of Testing: 101 - Microbiology of Drinking Water**

101.010	001	Heterotrophic Bacteria	SM9215B
101.011	001	Heterotrophic Bacteria	SimPlate
101.020	001	Total Coliform	SM9221A,B
101.021	001	Fecal Coliform	SM9221E (MTF/EC)
101.060	002	Total Coliform	SM9223
101.060	003	E. coli	SM9223
101.120	001	Total Coliform (Enumeration)	SM9221A,B,C
101.130	001	Fecal Coliform (Enumeration)	SM9221E (MTF/EC)
101.160	001	Total Coliform (Enumeration)	SM9223

**Field of Testing: 102 - Inorganic Chemistry of Drinking Water**

102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate	EPA 300.0
102.030	007	Nitrite	EPA 300.0
102.030	008	Phosphate, Ortho	EPA 300.0
102.030	010	Sulfate	EPA 300.0
102.100	001	Alkalinity	SM2320B
102.120	001	Hardness	SM2340B
102.121	001	Hardness	SM2340C
102.130	001	Conductivity	SM2510B
102.145	001	Total Dissolved Solids	EPA 160.1
102.170	001	Chloride	SM4500-Cl- B
102.190	001	Cyanide, Total	SM4500-CN E
102.192	001	Cyanide, amenable	SM4500-CN G
102.231	001	Nitrate calc.	SM4500-NO3 E
102.232	001	Nitrite	SM4500-NO3 E
102.240	001	Phosphate, Ortho	SM4500-P E
102.262	001	Total Organic Carbon	SM5310C
102.263	001	DOC	SM5310C
102.270	001	Surfactants	SM5540C
102.520	001	Calcium	EPA 200.7
102.520	002	Magnesium	EPA 200.7
102.520	003	Potassium	EPA 200.7
102.520	005	Sodium	EPA 200.7
102.520	006	Hardness (calc.)	EPA 200.7

102.533 001 Silica SM4500-SI D

**Field of Testing: 103 - Toxic Chemical Elements of Drinking Water**

103.130 001	Aluminum	EPA 200.7
103.130 003	Barium	EPA 200.7
103.130 004	Beryllium	EPA 200.7
103.130 005	Cadmium	EPA 200.7
103.130 007	Chromium	EPA 200.7
103.130 008	Copper	EPA 200.7
103.130 009	Iron	EPA 200.7
103.130 011	Manganese	EPA 200.7
103.130 012	Nickel	EPA 200.7
103.130 015	Silver	EPA 200.7
103.130 017	Zinc	EPA 200.7
103.130 018	Boron	EPA 200.7
103.150 002	Antimony	EPA 200.9
103.150 003	Arsenic	EPA 200.9
103.150 009	Lead	EPA 200.9
103.150 012	Selenium	EPA 200.9
103.150 013	Silver	EPA 200.9
103.150 014	Thallium	EPA 200.9
103.161 001	Mercury	EPA 245.2
103.310 001	Chromium (VI)	EPA 218.6

**Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water**

104.040 000 Volatile Organic Compounds EPA 524.2

**Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water**

105.030 000	N-, P- Pesticides	EPA 507
105.040 000	Chlorinated Pesticides	EPA 508
105.040 016	PCBs as Aroclors (screen)	EPA 508
105.070 009	Chlorinated Acids	EPA 515.1
105.100 000	Carbamates	EPA 531.1
105.120 001	Glyphosate	EPA 547
105.150 001	Diquat	EPA 549.2
105.200 004	Dalapon	EPA 552.2
105.200 008	Haloacetic Acids (HAA5)	EPA 552.2

**Field of Testing: 107 - Microbiology of Wastewater**

107.010 001	Heterotrophic Bacteria	SM9215B
107.020 001	Total Coliform	SM9221B
107.040 001	Fecal Coliform	SM9221C,E (MTF/EC)
107.100 001	Fecal Streptococci	SM9230B
107.100 002	Enterococci	SM9230B

**Field of Testing: 108 - Inorganic Chemistry of Wastewater**

108.020 001 Conductivity EPA 120.1

108.040	001	Hardness	EPA 130.2
108.050	001	pH	EPA 150.1
108.060	001	Residue, Filterable	EPA 160.1
108.070	001	Residue, Non-filterable	EPA 160.2
108.080	001	Residue, Total	EPA 160.3
108.090	001	Residue, Volatile	EPA 160.4
108.100	001	Residue, Settleable	EPA 160.5
108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (calc.)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.120	002	Chloride	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	004	Nitrate	EPA 300.0
108.120	005	Nitrite	EPA 300.0
108.120	006	Nitrate-nitrite, Total	EPA 300.0
108.120	007	Phosphate, Ortho	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.180	001	Cyanide, amenable	EPA 335.1
108.181	001	Cyanide, Total	EPA 335.2
108.212	001	Kjeldahl Nitrogen	EPA 351.3
108.234	001	Nitrate-nitrite, Total	EPA 353.3
108.235	001	Nitrate calc.	EPA 353.3
108.250	001	Dissolved Oxygen	EPA 360.1
108.262	001	Phosphate, Ortho	EPA 365.2
108.263	001	Phosphorus, Total	EPA 365.2
108.290	001	Sulfide	EPA 376.1
108.340	001	Total Organic Carbon	EPA 415.1
108.360	001	Phenols, Total	EPA 420.1
108.370	001	Surfactants	EPA 425.1
108.380	001	Oil and Grease	EPA 1664
108.400	001	Acidity	SM2310B
108.410	001	Alkalinity	SM2320B
108.450	001	Chloride	SM4500-Cl- B
108.464	001	Chlorine	SM4500-Cl F
108.500	001	Ammonia	SM4500-NH3 C
108.510	001	Nitrite	SM4500-NO2 B
108.520	001	Nitrate-nitrite, Total	SM4500-NO3 E
108.521	001	Nitrate calc.	SM4500-NO3 E
108.550	001	Dissolved Silica	SM4500-Si D

108.590	001	Biochemical Oxygen Demand	SM5210B
108.591	001	Carbonaceous BOD	SM5210B
108.602	001	Chemical Oxygen Demand	SM5220D
108.650	001	Tannin and Lignin	SM5550B

**Field of Testing: 109 - Toxic Chemical Elements of Wastewater**

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.041	001	Antimony	EPA 204.2
109.050	001	Arsenic	EPA 206.2
109.104	001	Chromium (VI)	EPA 218.6
109.161	001	Lead	EPA 239.2
109.191	001	Mercury	EPA 245.2
109.280	001	Selenium	EPA 270.2
109.291	001	Silver	EPA 272.2
109.311	001	Thallium	EPA 279.2
109.811	001	Chromium (VI)	SM3500-Cr D

**Field of Testing: 110 - Volatile Organic Chemistry of Wastewater**

110.040	040	Halogenated Hydrocarbons	EPA 624
110.040	041	Aromatic Compounds	EPA 624
110.040	042	Oxygenates	EPA 624
110.040	043	Other Volatile Organics	EPA 624

**Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater**

111.010	000	Phenols	EPA 604
111.101	032	Polynuclear Aromatic Hydrocarbons	EPA 625
111.101	033	Adipates	EPA 625

111.101	034	Phthalates	EPA 625
111.101	035	Herbicides	EPA 625
111.101	036	Other Extractables	EPA 625
111.170	030	Organochlorine Pesticides	EPA 608
111.170	031	PCBs	EPA 608

**Field of Testing: 113 - Whole Effluent Toxicity of Wastewater**

113.010	001A	Fathead Minnow ( <i>P. promelas</i> )	EPA 600/4-90/027F, Static
113.010	001B	Fathead Minnow ( <i>P. promelas</i> )	EPA 600/4-90/027F, Static Renewal
113.010	003A	Rainbow trout ( <i>O. mykiss</i> )	EPA 600/4-90/027F, Static
113.010	003B	Rainbow trout ( <i>O. mykiss</i> )	EPA 600/4-90/027F, Static Renewal
113.021	001A	Fathead Minnow ( <i>P. promelas</i> )	EPA 2000 (EPA-821-R-02-012), Static
113.021	001B	Fathead Minnow ( <i>P. promelas</i> )	EPA 2000 (EPA-821-R-02-012), Static Renewal
113.022	003A	Rainbow trout ( <i>O. mykiss</i> )	EPA 2019 (EPA-821-R-02-012), Static
113.022	003B	Rainbow trout ( <i>O. mykiss</i> )	EPA 2019 (EPA-821-R-02-012), Static Renewal

**Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste**

114.010	001	Antimony	EPA 6010B
114.010	003	Barium	EPA 6010B
114.010	004	Beryllium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	006	Chromium	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	016	Zinc	EPA 6010B
114.040	001	Arsenic	EPA 7060A
114.103	001	Chromium (VI)	EPA 7196A
114.106	001	Chromium (VI)	EPA 7199
114.131	001	Lead	EPA 7421
114.140	001	Mercury	EPA 7470A
114.141	001	Mercury	EPA 7471A
114.170	001	Selenium	EPA 7740
114.222	001	Cyanide	EPA 9014
114.230	001	Sulfides, Total	EPA 9034
114.240	001	pH	EPA 9040
114.241	001	pH	EPA 9045
114.250	001	Fluoride	EPA 9056

Aqueous only

**Field of Testing: 115 - Extraction Test of Hazardous Waste**

115.010	001	Extraction Procedure Toxicity (EPTox)	EPA 1310A
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115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II

**Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste**

116.030	001	Gasoline-range Organics	EPA 8015B
116.080	000	Volatile Organic Compounds	EPA 8260B
116.080	120	Oxygenates	EPA 8260B
116.100	001	Total Petroleum Hydrocarbons - Gasoline	LUFT GC/MS

**Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste**

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.020	000	Phenols	EPA 8041
117.110	000	Extractable Organics	EPA 8270C
117.210	000	Organochlorine Pesticides	EPA 8081A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141A
117.250	000	Chlorinated Herbicides	EPA 8151A

**Field of Testing: 119 - Toxicity Bioassay of Hazardous Waste**

119.010	001	Fathead Minnow (P. promelas)	Polisini & Miller (CDFG 1988)
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**Field of Testing: 120 - Physical Properties of Hazardous Waste**

120.010	001	Ignitability	EPA 1010
120.040	001	Reactive Cyanide	Section 7.3 SW-846
120.050	001	Reactive Sulfide	Section 7.3 SW-846
120.070	001	Corrosivity - pH Determination	EPA 9040B
120.080	001	Corrosivity - pH Determination	EPA 9045C

**Field of Testing: 126 - Microbiology of Recreational Water**

126.010	001	Total Coliform (Enumeration)	SM9221A,B,C
126.030	001	Fecal Coliform (Enumeration)	SM9221E
126.060	001	Enterococci	SM9230C