



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

CERTIFICATE OF ENVIRONMENTAL LABORATORY ACCREDITATION

Is hereby granted to

Cel Analytical, Inc.

Microbiology and Chemistry

82 Mary Street, Suite 2

San Francisco, CA 94103

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site,
proficiency testing studies, and payment of applicable fees.

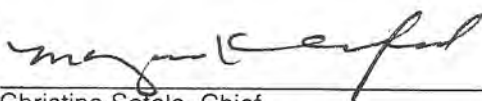
This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **2647**

Expiration Date: **12/31/2016**

Effective Date: **1/1/2015**

Richmond, California
subject to forfeiture or revocation


for Christine Sotelo, Chief
Environmental Laboratory Accreditation Program



**CALIFORNIA STATE
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing**



Cel Analytical, Inc.
Microbiology and Chemistry
82 Mary Street, Suite 2
San Francisco, CA 94103
Phone: (415) 882-1690

**Certificate No. 2647
Expiration Date 12/31/2016**

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 P/A	SM9221B
101.021	001	Fecal Coliform P/A	SM9221E (MTF/EC)
101.022	001	E. coli P/A	SM9221 B,F
101.060	002	Total Coliform P/A	SM9223
101.060	003	E. coli P/A	SM9223
101.120	001	Total Coliform (Enumeration)	SM9221B,C
101.130	001	Fecal Coliform (Enumeration)	SM9221E-2006
101.131	001	Fecal Coliform (Enumeration)	SM9221E (A-1)
101.160	001	Total Coliform (Enumeration)	SM9223B
101.170	001	Total Coliform (Enumeration)	EPA 600/J-99/225 (MI)
101.200	001	E. coli (Enumeration)	SM9223B
101.210	001	E. coli (Enumeration)	SM9221B,F-2006
101.240	001	E. coli (Enumeration)	EPA 1603
101.250	001	E. coli (Enumeration)	EPA 1604
101.300	001	E. coli P/A	SM9223B
101.305	001	E. coli P/A	SM9221 B,C,F-2006
101.309	001	Enterococci	EPA 1600
101.310	001	Enterococci	Enterolert

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.100	001	Alkalinity	SM2320B
102.120	001	Hardness	SM2340B
102.121	001	Hardness	SM2340C
102.130	001	Conductivity	SM2510B
102.140	001	Total Dissolved Solids	SM2540C
102.163	001	Chlorine, Free and Total	SM4500-CI G
102.232	001	Nitrite	SM4500-NO3 E
102.232	002	Nitrate	SM4500-NO3 E
102.240	001	Phosphate, Ortho	SM4500-P E
102.520	001	Calcium	EPA 200.7
102.520	002	Magnesium	EPA 200.7
102.520	003	Potassium	EPA 200.7
102.520	004	Silica	EPA 200.7
102.520	005	Sodium	EPA 200.7
102.520	006	Hardness (calculation)	EPA 200.7
102.551	001	Chlorine, Free, Combined, Total	SM4500-CI G (20th)

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

Field of Testing: 107 - Microbiology of Wastewater

107.010 001	Heterotrophic Bacteria	SM9215B
107.020 002	Total Coliform (Enumeration)	SM9221B,E-2006
107.030 002	Total Coliform with Chlorine Present	SM9221B-2006
107.040 002	Fecal Coliform (Enumeration)	SM9221C,E-2006
107.050 002	Fecal Coliform with Chlorine Present	SM9221C,E-2006
107.200 001	Fecal Streptococci	EPA 600/8-78-017, p136
107.230 001	Enterococci	SM9230B
107.242 001	Enterococci	Enterolert
107.244 001	Enterococci	EPA 1600
107.245 002	E. coli (Enumeration)	SM9223B (Colilert)
107.248 001	Fecal Coliform (Enumeration)	EPA 1680
107.249 001	Fecal Coliform (Enumeration)	EPA 1681

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.020 001	Conductivity	EPA 120.1
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 (calculation)	EPA 200.7
108.112 004	Magnesium	EPA 200.7
108.112 005	Potassium	EPA 200.7
108.112 006	Silica	EPA 200.7
108.112 007	Sodium	EPA 200.7
108.112 008	Phosphorus, Total	EPA 200.7
108.385 001	Color	SM2120B-2001
108.390 001	Turbidity	SM2130B-2001
108.400 001	Acidity	SM2310B-1997
108.410 001	Alkalinity	SM2320B-1997
108.420 001	Hardness (calculation)	SM2340B-1997
108.421 001	Hardness	SM2340C-1997
108.430 001	Conductivity	SM2510B-1997
108.440 001	Residue, Total	SM2540B-1997
108.441 001	Residue, Filterable TDS	SM2540C-1997

108.442	001	Residue, Non-filterable TSS	SM2540D-1997
108.443	001	Residue, Settleable	SM2540F-1997
108.444	001	Temperature	SM2550B-2000
108.465	001	Chlorine, Total	SM4500-Cl G-2000
108.490	001	Hydrogen Ion (pH)	SM4500-H+ B
108.502	002	Ammonia (as N)	SM4500-NH3 B,E-1997
108.528	001	Nitrate-Nitrite (as N)	SM4500-NO3- E-2000
108.528	002	Nitrite (as N)	SM4500-NO3- E-2000
108.532	001	Oxygen, dissolved	SM4500-O C-2001
108.584	001	Sulfide (as S)	SM4500-S= D-2000
108.592	001	Biochemical Oxygen Demand	SM5210B-2001
108.592	002	Carbonaceous BOD	SM5210B-2001
108.660	001	Chemical Oxygen Demand	HACH8000
108.670	001	Nitrite	HACH8507
108.672	001	Phosphate, Ortho	HACH8048
108.675	001	Phosphorus, Total	HACH8190

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
109.809	002	Chromium (VI)	SM3500-Cr B (20th)

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010B
114.010	002	Arsenic	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	012	Selenium	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
114.240	001	Corrosivity - pH Determination	EPA 9040B
114.241	001	Corrosivity - pH Determination	EPA 9045C

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.010	001	Extraction Procedure Toxicity (EPTox)	EPA 1310A
115.021	001	TCLP Inorganics	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II

Field of Testing: 126 - Microbiology of Recreational Water

126.010	001	Total Coliform (Enumeration)	SM9221B,C
126.030	001	Fecal Coliform (Enumeration)	SM9221E-2006
126.050	001	Total Coliform and E. coli	SM9223
126.070	001	Enterococci	EPA 1600
126.080	001	Enterococci	IDEXX

Field of Testing: 127 - Shellfish Sanitation

127.010	001	Shellfish Meat Total/Fecal Coliforms	APHA
127.010	002	Shellfish Meat Plate Counts	APHA
127.030	001	Shellfish Growing Waters Total/Fecal Coliforms	APHA
127.040	001	Shellfish Growing Waters Fecal Coliforms	WPCF

Field of Testing: 129 - Cryptosporidium & Giardia

129.030	001	Cryptosporidium and Giardia	EPA 1623.1
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