



CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

**CERTIFICATE OF ENVIRONMENTAL ACCREDITATION**

Is hereby granted to

**EMS LABORATORIES, INC.**

117 WEST BELLEVUE DRIVE  
PASADENA, CA 91105

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.

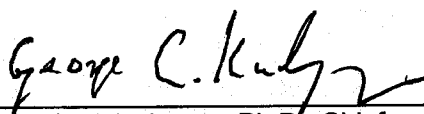
This Certificate is granted in accordance with provisions of  
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1119**

Expiration Date: **2/28/2012**

Effective Date: **3/1/2010**

Richmond, California  
subject to forfeiture or revocation

  
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George C. Kulasingam, Ph.D., Chief  
Environmental Laboratory Accreditation Program Branch

**CALIFORNIA DEPARTMENT OF HEALTH SERVICES  
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM  
Accredited Fields of Testing**

**EMS LABORATORIES, INC.**

**Lab Phone (626) 568-4065**

117 WEST BELLEVUE DRIVE  
PASADENA, CA 91105

**Certificate No: 1119      Renew Date: 2/28/2008**

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

|         |     |          |           |
|---------|-----|----------|-----------|
| 103.150 | 009 | Lead     | EPA 200.9 |
| 103.300 | 001 | Asbestos | EPA 100.1 |
| 103.301 | 001 | Asbestos | EPA 100.2 |

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

|         |     |  |           |
|---------|-----|--|-----------|
| 108.020 | 001 | Conductivity                             | EPA 120.1 |
| 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 |
| 108.115 | 001 | Calcium                                  | EPA 215.1 |
| 108.117 | 001 | Magnesium                                | EPA 242.1 |
| 108.119 | 001 | Sodium                                   | EPA 273.1 |
| 108.120 | 001 | Bromide                                  | EPA 300.0 |
| 108.120 | 003 | Fluoride                                 | EPA 300.0 |
| 108.120 | 004 | Nitrate                                  | EPA 300.0 |
| 108.120 | 005 | Nitrite                                  | EPA 300.0 |
| 108.141 | 001 | Alkalinity                               | EPA 310.2 |
| 108.162 | 001 | Chloride                                 | EPA 325.3 |
| 108.172 | 001 | Chlorine Residual, Total                 | EPA 330.3 |
| 108.180 | 001 | Cyanide, amenable                        | EPA 335.1 |
| 108.181 | 001 | Cyanide, Total                           | EPA 335.2 |
| 108.262 | 001 | Phosphate, Ortho                         | EPA 365.2 |
| 108.263 | 001 | Phosphorus, Total                        | EPA 365.2 |
| 108.281 | 001 | Sulfate                                  | EPA 375.3 |
| 108.290 | 001 | Sulfide                                  | EPA 376.1 |
| 108.323 | 001 | Chemical Oxygen Demand                   | EPA 410.4 |
| 108.350 | 001 | Total Recoverable Petroleum Hydrocarbons | EPA 418.1 |
| 108.380 | 001 | Oil and Grease                           | EPA 1664  |

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**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   |
| 109.030 | 001 | Aluminum      | EPA 202.1   |
| 109.040 | 001 | Antimony      | EPA 204.1   |
| 109.050 | 001 | Arsenic       | EPA 206.2   |
| 109.060 | 001 | Barium        | EPA 208.1   |
| 109.070 | 001 | Beryllium     | EPA 210.1   |
| 109.080 | 001 | Cadmium       | EPA 213.1   |
| 109.100 | 001 | Chromium      | EPA 218.1   |
| 109.110 | 001 | Cobalt        | EPA 219.1   |
| 109.120 | 001 | Copper        | EPA 220.1   |
| 109.150 | 001 | Iron          | EPA 236.1   |
| 109.160 | 001 | Lead          | EPA 239.1   |
| 109.180 | 001 | Manganese     | EPA 243.1   |
| 109.190 | 001 | Mercury       | EPA 245.1   |
| 109.200 | 001 | Molybdenum    | EPA 246.1   |
| 109.210 | 001 | Nickel        | EPA 249.1   |
| 109.280 | 001 | Selenium      | EPA 270.2   |
| 109.290 | 001 | Silver        | EPA 272.1   |
| 109.310 | 001 | Thallium      | EPA 279.1   |
| 109.320 | 001 | Tin           | EPA 282.1   |
| 109.330 | 001 | Titanium      | EPA 283.1   |
| 109.340 | 001 | Vanadium      | EPA 286.1   |
| 109.350 | 001 | Zinc          | EPA 289.1   |
| 109.811 | 001 | Chromium (VI) | SM3500-Cr D |

**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 |
| 114.030 | 001 | Antimony      | EPA 7040  |
| 114.040 | 001 | Arsenic       | EPA 7060A |
| 114.060 | 001 | Barium        | EPA 7080A |
| 114.070 | 001 | Beryllium     | EPA 7090  |
| 114.080 | 001 | Cadmium       | EPA 7130  |
| 114.090 | 001 | Chromium      | EPA 7190  |
| 114.103 | 001 | Chromium (VI) | EPA 7196A |
| 114.104 | 001 | Chromium (VI) | EPA 7197  |
| 114.110 | 001 | Cobalt        | EPA 7200  |
| 114.120 | 001 | Copper        | EPA 7210  |
| 114.130 | 001 | Lead          | EPA 7420  |
| 114.140 | 001 | Mercury       | EPA 7470A |
| 114.141 | 001 | Mercury       | EPA 7471A |
| 114.150 | 001 | Molybdenum    | EPA 7480  |
| 114.160 | 001 | Nickel        | EPA 7520  |
| 114.170 | 001 | Selenium      | EPA 7740  |
| 114.180 | 001 | Silver        | EPA 7760A |
| 114.190 | 001 | Thallium      | EPA 7840  |
| 114.200 | 001 | Vanadium      | EPA 7910  |
| 114.210 | 001 | Zinc          | EPA 7950  |
| 114.222 | 001 | Cyanide       | EPA 9014  |
| 114.250 | 001 | Fluoride      | EPA 9056  |

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

|         |     |                             |                                       |
|---------|-----|-----------------------------|---------------------------------------|
| 115.021 | 001 | TCLP Inorganics             | EPA 1311                              |
| 115.030 | 001 | Waste Extraction Test (WET) | CCR Chapter11, Article 5, Appendix II |

**Field of Testing: 121 - Bulk Asbestos Analysis of Hazardous Waste**

|         |     |               |                   |
|---------|-----|---------------|-------------------|
| 121.010 | 001 | Bulk Asbestos | EPA 600/M4-82-020 |
|---------|-----|---------------|-------------------|