



## South Carolina Department of Health and Environmental Control

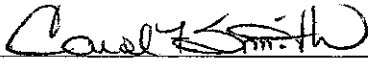
# Environmental Laboratory Certification Program

In accordance with the provisions of Regulation 61-81, entitled  
"State Environmental Laboratory Certification Regulation,"

**GENAPURE ANALYTICAL SERVICES INC**  
**3231 N W 7TH AVE**  
**BOCA RATON, FLORIDA 33431**

is hereby certified to perform analyses as documented on the attached parameter list(s). This certification does not guarantee validity of data generated, but indicates the laboratory's adherence to prescribed methodology, quality control, records keeping, and reporting procedures. This certificate is the property of S.C. DHEC and must be surrendered upon demand. This certificate is non-transferable and is valid only for the parameters and methodology listed on the attached parameter list(s).

**Laboratory Director: KIMBERLY A KOSTZER**  
**Certifying Authority: FL**  
**Date of Issue: July 15, 2009**  
**Date of Expiration: June 30, 2010**  
**Certificate Number: 96031001**

  
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Director  
Office of Environmental Laboratory Certification



C. Earl Hunter, Commissioner

*Promoting and protecting the health of the public and the environment.*

July 17, 2009

KIMBERLY A KOSTZER  
GENAPURE ANALYTICAL SERVICES INC  
3231 N W 7TH AVE  
BOCA RATON, FLORIDA 33431

Laboratory I. D. 96031

Dear Kimberly A Kostzer:

Your amended certificate and associated parameter list(s) are enclosed. These documents now represent the certificate of record for your laboratory. Any certificate(s) and associated parameter list(s) received prior to your receipt of these documents are now null and void and should be destroyed. Please be reminded that all environmental data submitted to the Department is reviewed to ensure that the reporting laboratory possesses the necessary certification. Data reported by laboratories without the proper certification will be addressed by the affected enforcement programs.

If you have any questions, or problems are detected concerning your certificate, please contact this office within ten (10) working days.

Sincerely,

Carol F. Smith, Director  
Office of Environmental Laboratory Certification  
Bureau of Environmental Services

CFS:vn

Enclosures

**SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL  
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM**

**GENAPURE ANALYTICAL SERVICES INC (Laboratory ID 96031)**  
**Laboratory Director: KIMBERLY A KOSTZER**  
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**CLEAN WATER ACT**

**INORGANIC - DEMAND**

BIOCHEMICAL OXYGEN DEMAND(BOD)	SM 5210B (20TH)
CARBONACEOUS BOD	SM 5210B (20TH)
CHEMICAL OXYGEN DEMAND (COD)	EPA 410.4 (1993)
TOTAL ORGANIC CARBON (TOC)	SM 5310B (20TH)

**INORGANIC - MINERAL**

ALKALINITY	SM 2320B (18TH)
CHLORIDE	EPA 300.0 (1993)
CHLORIDE	SM 4500CL-E (18TH)
FLUORIDE	EPA 300.0 (1993)
HARDNESS, TOTAL (AS CaCO <sub>3</sub> )	SM 2340B (18TH)
HYDROGEN-ION CONC. (PH)	SM 4500HB (20TH)
SULFATE	EPA 300.0 (1993)

**INORGANIC - MISCELLANEOUS**

BROMIDE	EPA 300.0 (1993)
COLOR	SM 2120B (18TH)
CYANIDE	EPA 335.4 (1993)
CYANIDE AMEN. TO CHLORINATION	SM 4500CNC,G (18TH)
OIL & GREASE	EPA 1664A
SULFIDE	SM 4500S2F (20TH)
SURFACTANTS (MBAS)	SM 5540C (18TH)
TURBIDITY	EPA 180.1 (1993)

**INORGANIC - NUTRIENT**

AMMONIA-NITROGEN	EPA 350.1 (1993)
KJELDAHL-NITROGEN	EPA 351.2 (1993)
NITRATE-NITRITE (NO <sub>2</sub> &NO <sub>3</sub> )	EPA 353.2 (1993)
NITRATE-NITROGEN	EPA 300.0 (1993)
NITRATE-NITROGEN	NO <sub>3</sub> -NO <sub>2</sub> MINUS NO <sub>2</sub>
NITRITE-NITROGEN	EPA 300.0 (1993)
NITRITE-NITROGEN	SM 4500NO <sub>2</sub> B (18TH)
ORTHOPHOSPHATE	EPA 300.0 (1993)
ORTHOPHOSPHATE	EPA 365.1 (1993)
PHOSPHORUS	EPA 365.1 (1993)
TOTAL ORGANIC NITROGEN	EPA TKN-NH <sub>3</sub> -N

**INORGANIC - RESIDUE**

RESIDUE, NONFILTERABLE (TSS)	SM 2540D (18TH)
RESIDUE, TOTAL (TS)	SM 2540B (20TH)
RESIDUE, VOLATILE (VS)	EPA 160.4 (1979)
SOLIDS, TOTAL DISSOLVED (TDS)	SM 2540C (18TH)

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**CLEAN WATER ACT**

**INORGANIC - TRACE METAL**

ALUMINUM	EPA 200.7 (1994)
ANTIMONY	EPA 200.7 (1994)
ARSENIC	EPA 200.7 (1994)
BARIUM	EPA 200.7 (1994)
BERYLLIUM	EPA 200.7 (1994)
BORON	EPA 200.7 (1994)
CADMIUM	EPA 200.7 (1994)
CALCIUM	EPA 200.7 (1994)
CHROMIUM	EPA 200.7 (1994)
COBALT	EPA 200.7 (1994)
COPPER	EPA 200.7 (1994)
IRON	EPA 200.7 (1994)
LEAD	EPA 200.7 (1994)
MAGNESIUM	EPA 200.7 (1994)
MANGANESE	EPA 200.7 (1994)
MERCURY	EPA 245.1 (1994)
MOLYBDENUM	EPA 200.7 (1994)
NICKEL	EPA 200.7 (1994)
POTASSIUM	EPA 200.7 (1994)
SELENIUM	EPA 200.7 (1994)
SILICA, DISSOLVED	EPA 200.7 (1994)
SILVER	EPA 200.7 (1994)
SODIUM	EPA 200.7 (1994)
THALLIUM	EPA 200.7 (1994)
TIN	EPA 200.7 (1994)
VANADIUM	EPA 200.7 (1994)
ZINC	EPA 200.7 (1994)

**PCBS AND PESTICIDES**

ORGANOCHLORINE PESTICIDES & PCBS - GC/E	EPA 608
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**SEMI-VOLATILES**

BASE/NEUTRALS AND ACIDS - GC/MS	EPA 625
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**SAFE DRINKING WATER ACT**

**INORGANIC - MINERAL**

CHLORIDE	EPA 300.0 (1993)
FLUORIDE	EPA 300.0 (1993)
HYDROGEN-ION CONC. (PH)	EPA 150.1 (1983)
SULFATE	EPA 300.0 (1993)

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**SAFE DRINKING WATER ACT**

**INORGANIC - MISCELLANEOUS**

COLOR	SM 2120B (18TH)
CYANIDE	EPA 335.4 (1993)
ODOR	SM 2150B (18TH)

**INORGANIC - NUTRIENT**

PHOSPHORUS	EPA 365.1 (1993)
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**INORGANIC - TRACE METAL**

ALUMINUM	EPA 200.7 (1994)
ALUMINUM	EPA 200.8 (1994)
ANTIMONY	EPA 200.8 (1994)
BARIUM	EPA 200.7 (1994)
BARIUM	EPA 200.8 (1994)
CADMIUM	EPA 200.7 (1994)
CADMIUM	EPA 200.8 (1994)
CHROMIUM	EPA 200.7 (1994)
CHROMIUM	EPA 200.8 (1994)
COPPER	EPA 200.7 (1994)
COPPER	EPA 200.8 (1994)
IRON	EPA 200.7 (1994)
LEAD	EPA 200.8 (1994)
MANGANESE	EPA 200.8 (1994)
MERCURY	EPA 245.1 (1994)
NICKEL	EPA 200.7 (1994)
NICKEL	EPA 200.8 (1994)
SILVER	EPA 200.7 (1994)
SILVER	EPA 200.8 (1994)
THALLIUM	EPA 200.8 (1994)
ZINC	EPA 200.8 (1994)

**SOLID & HAZARDOUS WASTES**

**INORGANIC - DEMAND**

TOTAL ORGANIC CARBON (TOC)	EPA 9060A
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**INORGANIC - HAZARDOUS WASTE CHARACTERISTICS**

IGNITABILITY (PENSKEY MARTENS)	EPA 1010A
TCLP - BOTTLE EXTRACTION	EPA 1311
TCLP - ZERO HEADSPACE	EPA 1311

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**SOLID & HAZARDOUS WASTES**

**INORGANIC - MINERAL**

CHLORIDE	EPA 9056A
CHLORIDE	EPA 9251
FLUORIDE	EPA 9056A
HYDROGEN-ION CONC. (PH)	EPA 9040C
HYDROGEN-ION CONC. (PH) (SOIL AND WAST	EPA 9045D
SULFATE	EPA 9056A

**INORGANIC - MISCELLANEOUS**

BROMIDE	EPA 9056A
CYANIDE	EPA 9012B
PHENOLICS, TOTAL RECOVERABLE	EPA 9066

**INORGANIC - NUTRIENT**

NITRATE-NITROGEN	EPA 9056A
NITRITE-NITROGEN	EPA 9056A
ORTHOPHOSPHATE	EPA 9056A

**INORGANIC - TRACE METAL**

ALUMINUM	EPA 6010C
ANTIMONY	EPA 6010C
ARSENIC	EPA 6010C
BARIUM	EPA 6010C
BERYLLIUM	EPA 6010C
CADMIUM	EPA 6010C
CALCIUM	EPA 6010C
CHROMIUM	EPA 6010C
COBALT	EPA 6010C
COPPER	EPA 6010C
IRON	EPA 6010C
LEAD	EPA 6010C
MAGNESIUM	EPA 6010C
MANGANESE	EPA 6010C
MERCURY	EPA 7471B
MOLYBDENUM	EPA 6010C
NICKEL	EPA 6010C
POTASSIUM	EPA 6010C
SELENIUM	EPA 6010C
SILICON	EPA 6010C
SILVER	EPA 6010C
SODIUM	EPA 6010C
THALLIUM	EPA 6010C
VANADIUM	EPA 6010C
ZINC	EPA 6010C

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**SOLID & HAZARDOUS WASTES**

**PCBS AND PESTICIDES**

ORGANOCHLORINE PESTICIDES BY GC	EPA 8081B	EPA 3510C
ORGANOCHLORINE PESTICIDES BY GC	EPA 8081B	EPA 3550C
ORGANOPHOSPHORUS COMP. BY GC	EPA 8141B	EPA 3510C
POLYCHLORINATED BIPHENYLS BY GC	EPA 8082A	EPA 3510C
POLYCHLORINATED BIPHENYLS BY GC	EPA 8082A	EPA 3550C

**SEMI-VOLATILES**

EDB & DBCP BY MICROEXTRACTION AND GC	EPA 8011	
TPH - DIESEL RANGE ORGANICS (DRO)	EPA 8015C (DRO)	EPA 3510C
TPH - DIESEL RANGE ORGANICS (DRO)	EPA 8015C (DRO)	EPA 3550C

**VOLATILES (VOCS)**

TPH - GASOLINE RANGE ORGANICS (GRO)	EPA 8015C (GRO)	EPA 5030B
TPH - GASOLINE RANGE ORGANICS (GRO)	EPA 8015C (GRO)	EPA 5035

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CLEAN WATER ACT

-----PCBS AND PESTICIDES----- EPA 625

EPA 608

4,4'-DDD  
 4,4'-DDE  
 4,4'-DDT  
 ALDRIN  
 ALPHA-BHC  
 BETA-BHC  
 CHLORDANE  
 DELTA-BHC  
 DIELDRIN  
 ENDOSULFAN I  
 ENDOSULFAN II  
 ENDOSULFAN SULFATE  
 ENDRIN  
 ENDRIN ALDEHYDE  
 GAMMA-BHC (LINDANE)  
 HEPTACHLOR  
 HEPTACHLOR EPOXIDE  
 TOXAPHENE

BENZO (A) PYRENE  
 BENZO (B) FLUORANTHENE  
 BENZO (G, H, I) PERYLENE  
 BENZO (K) FLUORANTHENE  
 BENZYL BUTYL PHTHALATE  
 BIS (2-CHLOROETHOXY) METHANE  
 BIS (2-CHLOROETHYL) ETHER  
 BIS (2-CHLOROISOPROPYL) ETHER  
 BIS (2-ETHYLHEXYL) PHTHALATE  
 CHRYSENE  
 DI-N-BUTYL PHTHALATE  
 DI-N-OCTYL PHTHALATE  
 DIBENZO (A, H) ANTHRACENE  
 DIETHYL PHTHALATE  
 DIMETHYL PHTHALATE  
 FLUORANTHENE  
 FLUORENE  
 HEXACHLOROBENZENE  
 HEXACHLOROBUTADIENE  
 HEXACHLOROCYCLOPENTADIENE  
 HEXACHLOROETHANE  
 INDENO (1,2,3-CD) PYRENE  
 ISOPHORONE

EPA 625

1,2,4-TRICHLOROBENZENE  
 2,4,6-TRICHLOROPHENOL  
 2,4-DICHLOROPHENOL  
 2,4-DIMETHYLPHENOL  
 2,4-DINITROPHENOL  
 2,4-DINITROTOLUENE (2,4-DNT)  
 2,6-DINITROTOLUENE (2,6-DNT)  
 2-CHLORONAPHTHALENE  
 2-CHLOROPHENOL  
 2-METHYL-4,6-DINITROPHENOL  
 2-NITROPHENOL  
 3,3-DICHLOROBENZIDINE  
 4-BROMOPHENYLPHENYL ETHER  
 4-CHLORO-3-METHYLPHENOL  
 4-CHLOROPHENYL PHENYL ETHER  
 4-NITROPHENOL  
 ACENAPHTHENE  
 ACENAPHTHYLENE  
 ANTHRACENE  
 BENZIDINE  
 BENZO (A) ANTHRACENE

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SOLID & HAZARDOUS WASTES

-----PCBS AND PESTICIDES-----

EPA 8081B  
EPA 3510C

CHLORDANE  
TOXAPHENE

EPA 8081B  
EPA 3550C

CHLORDANE  
TOXAPHENE

EPA 8082A  
EPA 3510C

PCB-1016 (AROCOR-1016)  
 PCB-1221 (AROCOR-1221)  
 PCB-1232 (AROCOR-1232)  
 PCB-1242 (AROCOR-1242)  
 PCB-1248 (AROCOR-1248)  
 PCB-1254 (AROCOR-1254)  
 PCB-1260 (AROCOR-1260)

EPA 8082A  
EPA 3550C

PCB-1016 (AROCOR-1016)  
 PCB-1221 (AROCOR-1221)  
 PCB-1232 (AROCOR-1232)  
 PCB-1242 (AROCOR-1242)  
 PCB-1248 (AROCOR-1248)  
 PCB-1254 (AROCOR-1254)  
 PCB-1260 (AROCOR-1260)

EPA 8141B  
EPA 3510C

AZINPHOS-ETHYL  
 AZINPHOS-METHYL  
 BOLSTAR (SULPROFOS)  
 COUNAPHOS  
 CROTOXYPHOS  
 DEMETON-O AND -S  
 DIAZINON  
 DIOXATHION  
 DISULFOTON

EPA 8141B  
EPA 3510C

EPN  
 ETHION  
 FAMPHUR  
 MALATHION  
 MERPHOS  
 MEVINPHOS  
 PARATHION ETHYL  
 PARATHION METHYL  
 PHOSPHAMIDON  
 TERBUFOS

-----SEMI-VOLATILES-----

EPA 8011

1,2-DIBROMO-3-CHLOROPROPANE (DBCP)  
 1,2-DIBROMOETHANE (EDB)

EPA 8015C (DRO)  
EPA 3510C

TPH - HIGH BOIL. PT. (DIESEL)

EPA 8015C (DRO)  
EPA 3550C

TPH - HIGH BOIL. PT. (DIESEL)

-----VOLATILES (VOCS)-----

EPA 8015C (GRO)  
EPA 5030B

TPH - LOW BOIL. PT. (GAS.)

EPA 8015C (GRO)  
EPA 5035

TPH - LOW BOIL. PT. (GAS.)