

Accreditation Scope

SGS Gulf Limited, NAL 006

Testing Laboratory, (ISO/IEC 17025:2017)

LIU RA08TC03 Plot MO0631, Jebel Ali Free Zone, Dubai, UAE

Issue Date: 12-08-2021

Expiry Date: 12-02-2024

Issue No: 08

| Testing Field | Materials/ Products tested | Type of test/ Test parameter/ Properties measured/Range of measurement | Test Method (Standard, Internal Procedure, Technique) | Permanent lab (P) / Client-site (S) |
|--------------------------|-------------------------------|---|---|--|
| Environmental Testing | Water/ Waste water | pH @ 25°C | APHA 4500 H+B, 23rd ed. | P |
| | Water/ Wastewater | Conductivity | APHA 2510 B, 23rd ed. | |
| | | Total Suspended Solids | APHA 2540 D, 23rd ed. | |
| | | Total Dissolved Solids (TDS) | APHA 2540 C, 23rd ed. | |
| | | Oil & Grease | APHA 5520 B, 23rd ed. | |
| | | Calcium hardness | APHA 3500 Ca B, 23rd ed. | |
| | | Magnesium hardness | APHA 3500 Mg B, 23rd ed. | |
| | | Free Chlorine | HACH Method 8021 | |
| | | Nitrogen (Kjeldal) | APHA 4500-NH3, APHA 23rd ed. Edn (Kjeldal unit) | |
| | | BOD | APHA 5210 B, 23rd ed. | |
| | | COD | APHA 5220 B, 23rd ed. | |
| | Water | Metals (total) Antimony, Arsenic, Aluminum, Beryllium, Boron, Cadmium Chromium, Cobalt, Copper, Iron, Lead, Manganese, Mercury Molybdenum, Nickel, Selenium, Silver, Zinc, Strontium, Tin Titanium, Vanadium | US EPA 200.7 | |
| | | Metals (total) Cerium, Magnesium, Potassium, Silica, Sodium, Thallium, Chlorate | US EPA 200.7 APHA 4110 D, 23rd ed. | |

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| | | Bromate | APHA 4110 D, 23rd ed. | |
| | | Bromide | APHA 4110 B, 23rd ed. | |
| | | Fluoride | | |
| | | Chloride | | |
| | | Sulfate | | |
| | | Phosphate | | |
| | | Nitrate | | |
| | | Nitrite | | |
| | Water | Volatile Organic Compounds (VOC's) Dichlorodifluoromethane, Chloromethane, Vinyl Chloride, Bromomethane, Chloroethane, Trichlorofluoromethane 1, 1-Dichloroethane, Methylene Chloride (Dichloromethane) Trans -1, 2-Dichloroethene, Cis-1, 2-Dichloroethene 1, 1-Dichloroethane, Chloroform, 2, 2-Dichloropropane 1, 1, 1-Trichloroethane, Carbon Tetrachloride 1, 1-Dichloropropene, Benzene, 1, 2-Dichloroethane | US EPA 8260 & US EPA 5021 | |

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| | | Trichloroethene, 1, 2- Dichloropropane, Dibromomethane Bromodichloromethane, Cis-1, 3- dichloropropene, Toluene Trans, 1, 3 Dichloropropene, 1, 1, 2-Trichloroethane, Tetrachloroethene, 1, 3- Dichloropropane, 1, 2- Dibromoethane Chlorobenzene, Ethylbenzene, 1, 1, 1, 2-Tetrachloroethane m&p-Xylene, o-Xylene, Styrene, Bromoform, Isopropylbenzene Bromobenzene, N- Propylbenzene, 1, 1, 2, 2Tetrachloroethane 1, 2, 3-Trichloropropane, 2- Chlorotoluene, 4-Chlorotoluene 1, 3, 5-Trimethylbenzene, 1, 2, 4- Trimethylbenz0065ne, Sec-Butyl benzene, p-Isopropyl toluene, 1, 3-Dichlorobenzene 1, 4-Dichlorobenzene, n- Butylbenzene, 1, 2- Dichlorobenzene | | |

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| | | 1, 2-Dibromo, 3-chloropropane, Hexachlorobutadiene, 1, 2, 4- Trichlorobenzene, Naphthalene, 1, 2, 3-Trichlorobenzene | | |
| Environmental Testing | Water | Poly Aromatic Hydrocarbons (PAH's) Phenanthrene, Anthracene, Fluoranthene, Pyrene, Benzo(a)anthracene, Chrysene, Dibenz(a, j)acridine Benzo(b)fluoranthene, Benzo(k)fluoranthene 7, 12- Dimethylbenz(a)anthracene, Benzo(a)pyrene 3-Methylcholanthrene, Indeno(1, 2, 3-c, d)pyrene Dibenz(a, h)anthracene, Benzo(g, h, i)perylene | US EPA 8270 & US EPA 3510 C | |
| | | Turbidity | APHA 2130 23rd ed. | |
| | | Alkalinity | APHA 2320B 23rd ed. | |
| | | Sodium | APHA 3500 Na, B 23rd ed. | |
| | Potassium | APHA 3500 K, B 23rd ed. | | |
| | Soil | Metals (total) | US EPA 200.7 | |

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| Soil | | Arsenic, Aluminum, Beryllium, Boron, Cadmium, Chromium, Cobalt Copper, Iron, Lead, Manganese, Molybdenum, Nickel, Silver, Zinc Strontium, Thallium, Tin, Vanadium | | |
| | Fluoride | | EHS-SOP-007 based on APHA 4110 B, 23rd ed. | |
| | Chloride | | | |
| | Nitrate | | | |
| | Nitrite | | | |
| | Bromide | | | |
| | Phosphate | | | |
| | Sulfate | | | |