# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** KLEAN LABORATORIES AND RESEARCH (P) LTD., 402 PURUSHOTTAM PLAZA,BANER ROAD, PUNE, MAHARASHTRA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-5512 **Page No** 1 of 20

**Validity** 11/10/2022 to 10/10/2024 **Last Amended on** 17/04/2023

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| Permanent Facility | | | | |
| 1 | BIOLOGICAL- WATER | Drinking Water | Escherichia coli | IS 15185 |
| 2 | BIOLOGICAL- WATER | Drinking Water | Escherichia coli | IS 1622 |
| 3 | BIOLOGICAL- WATER | Drinking Water | Fecal Coliform | IS 1622 |
| 4 | BIOLOGICAL- WATER | Drinking Water | Total Bacterial Count at 37 °C | IS 1622 |
| 5 | BIOLOGICAL- WATER | Drinking Water | Total Coliform | IS 15185 |
| 6 | BIOLOGICAL- WATER | Drinking Water | Total Coliform (MPN) | IS 1622 |
| 7 | BIOLOGICAL- WATER | Drinking Water | Yeast and Mould | IS 5403 |
| 8 | BIOLOGICAL- WATER | Ground Water / Surface Water | Escherichia coli | IS 1622 |
| 9 | BIOLOGICAL- WATER | Ground Water / Surface Water | Total Bacterial Count at 37 °C | IS 1622 |
| 10 | BIOLOGICAL- WATER | Ground Water/ Surface Water | Total Coliform (MPN) | IS 1622 |
| 11 | BIOLOGICAL- WATER | Ground Water/Surface Water | Yeast and Mould | IS 5403 |
| 12 | BIOLOGICAL- WATER | Packaged Drinking Water | Aerobic Microbial Count at 22 °C | IS 5402 |
| 13 | BIOLOGICAL- WATER | Packaged Drinking Water | Aerobic Microbial Count at 37 °C | IS 5402 |
| 14 | BIOLOGICAL- WATER | Packaged Drinking Water | Escherichia coli | IS 15185 |
| 15 | BIOLOGICAL- WATER | Packaged Drinking Water | Fecal Streptococci (Enterococci) | IS 15186 |
| 16 | BIOLOGICAL- WATER | Packaged Drinking Water | Pseudomonas Aeruginosa | IS 13428 ( Annexure D) |
| 17 | BIOLOGICAL- WATER | Packaged Drinking Water | Salmonella | IS 15187 |
| 18 | BIOLOGICAL- WATER | Packaged Drinking Water | Shigella | IS 5887 (Part 7) |
| 19 | BIOLOGICAL- WATER | Packaged Drinking Water | Staphylococcus Aureus | IS 5887 ( Part 2 ) |
| 20 | BIOLOGICAL- WATER | Packaged Drinking Water | Total Coliform | IS 15185 |
| 21 | BIOLOGICAL- WATER | Packaged Drinking Water | Vibrio Cholera | IS 5887 (Part 5) |
| 22 | BIOLOGICAL- WATER | Packaged Drinking Water | Vibrio Parahaemolyticus | IS 5887 (Part 5) |
| 23 | BIOLOGICAL- WATER | Packaged Drinking Water | Yeast & Mould | IS 5403 |
| 24 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | Ammonia (NH3) | MASA ,3rd Edition (Method No. 401 ) |
| 25 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | Arsenic as As | EPA/625/R-96/010a |
| 26 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | Benzene | IS 5182 (Part 11) |

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| 27 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | Benzo (a) Pyrene | CPCB Manual ,Volume I |
| 28 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | Carbon Monoxide | IS 5182 (Part 10) |
| 29 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | Hydrogen Sulphide | IS 5182 (Part 7) |
| 30 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | Lead | EPA/625/R-96/010a |
| 31 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | Nickel as Ni | EPA/625/R-96/010a |
| 32 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | NOx | IS 5182 (Part 6) |
| 33 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | Ozone | MASA ,3rd Edition ( Method No.411 ) |
| 34 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | PM 10 | Instrument Manual Version 2.01 |
| 35 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | PM 2.5 | CPCB Manual ,Volume I |
| 36 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Air | SO2 | IS 5182 (Part 2) |
| 37 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Noise | Noise L max. | IS 9989 |
| 38 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Noise | Noise L10 | IS 9989 |
| 39 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Noise | Noise L50 | IS 9989 |
| 40 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Noise | Noise L90 | IS 9989 |
| 41 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Noise | Noise level dB(A) & Leq | IS 9989 |
| 42 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Noise | Noise Lmin. | IS 9989 |
| 43 | CHEMICAL- ATMOSPHERIC POLLUTION | Stack Emission | Oxides of Nitrogen | IS 11255 (Part 7) |
| 44 | CHEMICAL- ATMOSPHERIC POLLUTION | Stack Emission | Sulphur Dioxide | IS 11255 (Part 2) |
| 45 | CHEMICAL- ATMOSPHERIC POLLUTION | Stack Emission | Total Particulate Matter(TPM) | IS 11255 (Part 1) |

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| 46 | CHEMICAL- POLLUTION & ENVIRONMENT | Hazardous Waste | Arsenic | USEPA Method 1311/ APHA 23rd Edition 3120 B |
| 47 | CHEMICAL- POLLUTION & ENVIRONMENT | Hazardous Waste | Barium | USEPA Method 1311/ APHA 23rd Edition 3120 B |
| 48 | CHEMICAL- POLLUTION & ENVIRONMENT | Hazardous Waste | Cadmium | USEPA Method 1311/ APHA 23rd Edition 3120 B |
| 49 | CHEMICAL- POLLUTION & ENVIRONMENT | Hazardous Waste | Chromium | USEPA Method 1311/ APHA 23rd Edition 3120 B |
| 50 | CHEMICAL- POLLUTION & ENVIRONMENT | Hazardous Waste | Cobalt | USEPA Method 1311/ APHA 23rd Edition 3120 B |
| 51 | CHEMICAL- POLLUTION & ENVIRONMENT | Hazardous Waste | Copper | USEPA Method 1311/ APHA 23rd Edition 3120 B |
| 52 | CHEMICAL- POLLUTION & ENVIRONMENT | Hazardous Waste | Lead | USEPA Method 1311/ APHA 23rd Edition 3120 B |
| 53 | CHEMICAL- POLLUTION & ENVIRONMENT | Hazardous Waste | Manganese | USEPA Method 1311/ APHA 23rd Edition 3120 B |
| 54 | CHEMICAL- POLLUTION & ENVIRONMENT | Hazardous Waste | Mercury | USEPA Method 1311/IS 3025 (Part 48) |
| 55 | CHEMICAL- POLLUTION & ENVIRONMENT | Hazardous Waste | Molybdenum | USEPA Method 1311/ APHA 23rd Edition 3120 B |
| 56 | CHEMICAL- POLLUTION & ENVIRONMENT | Hazardous Waste | Nickel | USEPA Method 1311/ APHA 23rd Edition 3120 B |
| 57 | CHEMICAL- POLLUTION & ENVIRONMENT | Hazardous Waste | Selenium | USEPA Method 1311/ APHA 23rd Edition 3120 B |
| 58 | CHEMICAL- POLLUTION & ENVIRONMENT | Hazardous Waste | Silver | USEPA Method 1311/ APHA 23rd Edition 3120 B |
| 59 | CHEMICAL- POLLUTION & ENVIRONMENT | Hazardous Waste | Zinc | USEPA Method 1311/ APHA 23rd Edition 3120 B |
| 60 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Available Nitrogen | Method manual, Soil Testing in India, Ministry of Agriculture, Government of India |
| 61 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Boron | Method manual, Soil Testing in India, Ministry of Agriculture, Government of India |
| 62 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Cadmium | USEPA 3050B Revision 2 |
| 63 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Calcium (exchangeable) | Method manual, Soil Testing in India, Ministry of Agriculture, Government of India |

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| 64 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Calorific value | IS 1350 (Part 2) |
| 65 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Cation Exchange Capacity | IS 2720 (Part 24) |
| 66 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Chloride | USEPA 9253 |
| 67 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Chromium | USEPA 3050B Revision 2 |
| 68 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Cobalt | USEPA 3050B Revision 2 |
| 69 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Conductivity | IS 14767 |
| 70 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Copper | USEPA 3050B Revision 2 |
| 71 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Lead | USEPA 3050B Revision 2 |
| 72 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Loss On Drying at 105 °C | IS 9235 |
| 73 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Loss On Ignition at 550 °C | IS 10158 |
| 74 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Magnesium (Exchangeable) | Method manual, Soil Testing in India, Ministry of Agriculture, Government of India |
| 75 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Manganese | USEPA 3050B Revision 2 |
| 76 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Mercury | USEPA 3050B Revision 2 |
| 77 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Nickel | USEPA 3050B Revision 2 |
| 78 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | pH | IS 2720 (Part 26) |
| 79 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Potassium | USEPA 3050B Revision 2 |
| 80 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Silver | USEPA 3050B Revision 2 |
| 81 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Sodium | USEPA 3050B Revision 2 |

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| 82 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Sulphate | IS 2720 (Part 27) |
| 83 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Total Organic Matter | Method manual, Soil Testing in India, Ministry of Agriculture, Government of India |
| 84 | CHEMICAL- POLLUTION & ENVIRONMENT | Soil | Zinc | USEPA 3050B Revision 2 |
| 85 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Exchangeable Magnesium | Method manual, Soil Testing in India, Ministry of Agriculture, Government of India |
| 86 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Aluminum | USEPA 3050B Revision 2 |
| 87 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Available Boron | Method manual, Soil Testing in India, Ministry of Agriculture, Government of India |
| 88 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Cadmium | USEPA 3050B Revision 2 |
| 89 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Calorific value | IS 1350 (Part 2) |
| 90 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Chloride | USEPA 9253 Revision 0 |
| 91 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Chromium | USEPA 3050B Revision 2 |
| 92 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Cobalt | USEPA 3050B Revision 2 |
| 93 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Copper | USEPA 3050B Revision 2 |
| 94 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Exchangeable Calcium | Method manual, Soil Testing in India, Ministry of Agriculture, Government of India |
| 95 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Lead | USEPA 3050B Revision 2 |
| 96 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Loss On Drying at 105 °C | IS 9235 |
| 97 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Loss On Ignition at 550 °C | IS 10158 |
| 98 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Manganese | USEPA 3050B Revision 2 |

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| 99 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Mercury | USEPA 3050B Revision 2 |
| 100 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Nickel | USEPA 3050B Revision 2 |
| 101 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | pH | IS 2720 (Part 26 ) |
| 102 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Potassium | USEPA 3050B Revision 2 |
| 103 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Silver | USEPA 3050B Revision 2 |
| 104 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Sodium | USEPA 3050B Revision 2 |
| 105 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Sulphate | IS 2720 (Part 27) |
| 106 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Tin | USEPA 3050B Revision 2 |
| 107 | CHEMICAL- POLLUTION & ENVIRONMENT | Solid Waste | Zinc | USEPA 3050B Revision 2 |
| 108 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water ( Effluents/Sewage) | Hexachromium | APHA 23rd Edition 3500 Cr B |
| 109 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluent / Sewage) | Phosphate | APHA 23rd Edition 4500 P D |
| 110 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluent /Sewage) | Anionic Detergent (as MBAS) | APHA 23rd Edition 5540 C |
| 111 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluent/Sewage) | Antimony | APHA 23rd Edition 3120 B |
| 112 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Vanadium | APHA 23rd Edition 3120 B |
| 113 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Arsenic as As | APHA 23rd Edition 3120 B |
| 114 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Acidity | IS 3025 (Part 22) |
| 115 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Alkalinity | IS 3025 (Part 23) |
| 116 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Aluminum as Al | APHA 23rd Edition 3120 B |
| 117 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Ammonical Nitrogen | IS 3025 (Part 34) |

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| 118 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Barium as Ba | APHA 23rd Edition 3120 B |
| 119 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | BOD (3 days @ 27°C) | IS 3025 (Part 44) |
| 120 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Boron as B | IS 3025 (Part 57) |
| 121 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Cadmium | APHA 23rd Edition 3120 B |
| 122 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Calcium as Ca | APHA 23rd Edition 3500 Ca B |
| 123 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Chemical Oxygen Demand (COD) | APHA 23rd Edition 5220 C |
| 124 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Chemical Oxygen Demand (COD) | APHA 23rd Edition 5220 D |
| 125 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Chloride | APHA 23rd Edition 4500 Cl- B |
| 126 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Colour | APHA 23rd Edition 2120 C |
| 127 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Conductivity | APHA 23rd Edition 2510 B |
| 128 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Copper | APHA 23rd Edition 3120 B |
| 129 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Cyanide | APHA 23rd Edition 4500 CN- E |
| 130 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Dissolved Oxygen (DO) | APHA 23rd Edition 4500 O C |
| 131 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Fixed Solids | APHA 23rd Edition 2540 E |
| 132 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Fluorides as F | APHA 23rd Edition 4500 F- D |
| 133 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Free CO2 | APHA 23rd Edition 4500 CO2 C |
| 134 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Free Residual Chlorine | APHA 23rd Edition 4500 Cl B |
| 135 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Iron as Fe | APHA 23rd Edition 3500 Fe B |
| 136 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Lead | APHA 23rd Edition 3120 B |

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| 137 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Magnesium as Mg | APHA 23rd Edition 3500 Mg B |
| 138 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Manganese as Mn | APHA 23rd Edition 3120 B |
| 139 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Mercury as Hg | APHA 23rd Edition 3120 B |
| 140 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Molybdenum as Mo | APHA 23rd Edition 3120 B |
| 141 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Nickel | APHA 23rd Edition 3120 B |
| 142 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Nitrite | APHA 23rd Edition 4500 NO2- B |
| 143 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Oil and Grease (O&G) | IS 3025 (Part 39) |
| 144 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | pH | APHA 23rd Edition 4500 H+ B |
| 145 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Phenol Compounds | APHA 23rd Edition 5530 C |
| 146 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Potassium | APHA 23rd Edition 3120 B |
| 147 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Selenium | APHA 23rd Edition 3120 B |
| 148 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Silica | APHA 23rd Edition 4500 SiO2 C |
| 149 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Silver as Ag | APHA 23rd Edition 3120 B |
| 150 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Sodium | APHA 23rd Edition 3120 B |
| 151 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Strontium | APHA 23rd Edition 3120 B |
| 152 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Sulphate | APHA 23rd Edition 4500 SO42- E |
| 153 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Sulphides as H2S | APHA 23rd Edition 4500 S2- F |
| 154 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Temperature | APHA 23rd Edition 2550 B |
| 155 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Tin | APHA 23rd Edition 3120 B |

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| 156 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Total Chromium as Cr | APHA 23rd Edition 3120 B |
| 157 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Total Dissolved Solids (TDS) | APHA 23rd Edition 2540 C |
| 158 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Total Hardness as CaCO3 | APHA 23rd Edition 2340 C |
| 159 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Total Kjeldhal Nitrogen (TKN) | APHA 23rd Edition 4500 N org-B |
| 160 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Total Phosphate | APHA 23rd Edition 4500 P B-4 ,D |
| 161 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Total Solids (TS) | APHA 23rd Edition 2540 B |
| 162 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Total Suspended Solids | APHA 23rd Edition 2540 D |
| 163 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Total Volatile Solids | APHA 23rd Edition 2540 E |
| 164 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Turbidity | APHA 23rd Edition 2130 B |
| 165 | CHEMICAL- POLLUTION & ENVIRONMENT | Waste Water (Effluents/Sewage) | Zinc as Zn | APHA 23rd Edition 3120 B |
| 166 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Arsenic as As | APHA 23rd Edition 3120 B |
| 167 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 2, 2’, 3, 4, 4’, 5’- Hexachlorobiphenyl | USEPA 8270 D, 3510 C |
| 168 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 2, 2’, 3, 4’, 5’, 6- Hexachlorobiphenyl | USEPA 8270 D, 3510 C |
| 169 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 2, 2’, 3, 5’- Tetrachlorobiphenyl | USEPA 8270 D, 3510 C |
| 170 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 2, 2’, 4, 4’, 5, 5’- Hexachlorobiphenyl | USEPA 8270 D, 3510 C |
| 171 | CHEMICAL- RESIDUES IN WATER | Drinking water | 2, 2’, 5- Trichlorobiphenyl | USEPA 8270 D, 3510 C |
| 172 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 2, 2’, 5, 5’- Tetrachlorobiphenyl | USEPA 8270 D, 3510 C |
| 173 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 2, 3, 3’, 4’, 6- Pentachlorobiphenyl | USEPA 8270 D, 3510 C |
| 174 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 2, 3’, 4, 4’, 5-Penta chlorobiphenyl | USEPA 8270 D, 3510 C |

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|---|---|---|---|---|
| 175 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 2, 3', 4', 5- Tetrachlorobiphenyl | USEPA 8270 D, 3510 C |
| 176 | CHEMICAL- RESIDUES IN WATER | Drinking water | 2, 4, 4'- Trichlorobiphenyl | USEPA 8270 D, 3510 C |
| 177 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 2, 4'- Dichlorobiphenyl | USEPA 8270 D, 3510 C |
| 178 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 2,2',3,4,4',5,5'- Hepta chlorobiphenyl | USEPA 8270 D, 3510 C |
| 179 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 2,4'- DDD | USEPA 8270 D, 3510 C |
| 180 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 2,4' -DDE | USEPA 8270 D, 3510 C |
| 181 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 2,4' DDT | USEPA 8270 D, 3510 C |
| 182 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 2-Chlorobiphenyl | USEPA 8270 D, 3510 C |
| 183 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 4,4'- DDD | USEPA 8270 D, 3510 C |
| 184 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 4,4' -DDE | USEPA 8270 D, 3510 C |
| 185 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 4,4'-DDT | USEPA 8270 D, 3510 C |
| 186 | CHEMICAL- RESIDUES IN WATER | Drinking Water | 4-Chlorobiphenyl | USEPA 8270 D, 3510 C |
| 187 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Acenaphthylene | USEPA 8270 D, 3510 C |
| 188 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Alachlor | USEPA 8270 D, 3510 C |
| 189 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Aldrin | USEPA 8270 D, 3510 C |
| 190 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Alpha- HCH/BHC | USEPA 8270 D, 3510 C |
| 191 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Aluminium as Al | APHA 23rd Edition 3120 B |
| 192 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Anthracene | USEPA 8270 D, 3510 C |
| 193 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Antimony | APHA 23rd Edition 3120 B |

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|---|---|---|---|---|
| 194 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Atrazine | USEPA 8270 D, 3510 C |
| 195 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Barium as Ba | APHA 23rd Edition 3120 B |
| 196 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Benz[a]anthracene | USEPA 8270 D, 3510 C |
| 197 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Benzo [b] fluoranthene | USEPA 8270 D, 3510 C |
| 198 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Benzo [k]fluoranthene | USEPA 8270 D, 3510 C |
| 199 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Benzo[a]pyrene | USEPA 8270 D, 3510 C |
| 200 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Benzo[ghi]perylene | USEPA 8270 D, 3510 C |
| 201 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Benzyl butyl phthalate | USEPA 8270 D, 3510 C |
| 202 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Beta - HCH/BHC | USEPA 8270 D, 3510 C |
| 203 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Bis(2-ethylhexyl) phthalate | USEPA 8270 D, 3510 C |
| 204 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Boron as B | IS 3025 (Part 57) |
| 205 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Bromodichloromethane | APHA 23rd Edition 6200 B |
| 206 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Bromoform | APHA 23rd Edition 6200 B |
| 207 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Butachlor | USEPA 8270 D, 3510 C |
| 208 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Cadmium as Cd | APHA 23rd Edition 3120 B |
| 209 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Calcium as Ca | APHA 23rd Edition 3500 Ca B |
| 210 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Chloramines as Cl2 | IS 3025 (Part 26) |
| 211 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Chloroform | APHA 23rd Edition 6200 B |
| 212 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Chloropyrifos | USEPA 8270 D, 3510 C |

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|---|---|---|---|---|
| 213 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Chrysene | USEPA 8270 D, 3510 C |
| 214 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Copper as Cu | APHA 23rd Edition 3120 B |
| 215 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Delta – HCH/BHC | USEPA 8270 D, 3510 C |
| 216 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Dibenz [a,h]anthracene | USEPA 8270 D, 3510 C |
| 217 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Dibromochloromethane | APHA 6200 B 23rd Edition |
| 218 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Dibutyl phthalate | USEPA 8270 D, 3510 C |
| 219 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Dieldrin | USEPA 8270 D, 3510 C |
| 220 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Diethyl Phthalate | USEPA 8270 D, 3510 C |
| 221 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Dimethyl phthalate | USEPA 8270 D, 3510 C |
| 222 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Endosulfan- sulphate | USEPA 8270 D, 3510 C |
| 223 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Endosulfan-1 | USEPA 8270 D, 3510 C |
| 224 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Endosulfan-2 | USEPA 8270 D, 3510 C |
| 225 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Ethion | USEPA 8270 D, 3510 C |
| 226 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Fluorene | USEPA 8270 D, 3510 C |
| 227 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Free Residual Chlorine | APHA 23rd Edition 4500 Cl B |
| 228 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Gamma – HCH/BCH | USEPA 8270 D, 3510 C |
| 229 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Hexachromium | APHA 23rd Edition 3500 Cr B |
| 230 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Hexanedioic acid, bis(2-ethylhexyl) ester | USEPA 8270 D, 3510 C |
| 231 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Indeno [1,2,3-cd]pyrene | USEPA 8270 D, 3510 C |

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|---|---|---|---|---|
| 232 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Iron as Fe | APHA 23rd Edition 3500 Fe B |
| 233 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Isophorone | USEPA 8270 D, 3510 C |
| 234 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Lead | APHA 23rd Edition 3120 B |
| 235 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Magnesium as Mg | APHA 23rd Edition 3500 Mg B |
| 236 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Malathion | USEPA 8270 D, 3510 C |
| 237 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Mercury as Hg | APHA 23rd Edition 3120 B |
| 238 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Methyl Parathion | USEPA 8270 D, 3510 C |
| 239 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Molybdenum | APHA 23rd Edition 3120 B |
| 240 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Monocrotophos | USEPA 8270 D, 3510 C |
| 241 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Nickel as Ni | APHA 23rd Edition 3120 B |
| 242 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Phenanthrene | USEPA 8270 D, 3510 C |
| 243 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Phenolic Compound | APHA 23rd Edition 5530 C |
| 244 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Phorate | USEPA 8270 D, 3510 C |
| 245 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Potassium | APHA 23rd Edition 3120 B |
| 246 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Pyrene | USEPA 8270 D, 3510 C |
| 247 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Selenium | APHA 23rd Edition 3120 B |
| 248 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Silver as Ag | APHA 23rd Edition 3120 B |
| 249 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Sodium | APHA 23rd Edition 3120 B |
| 250 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Strontium | APHA 23rd Edition 3120 B |

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|---|---|---|---|---|
| 251 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Sulphides as H2S | APHA 23rd Edition 4500 S2- F |
| 252 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Tin | APHA 23rd Edition 3120 B |
| 253 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Total Chromium as Cr | APHA 23rd Edition 3120 B |
| 254 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Vanadium | APHA 23rd Edition 3120 B |
| 255 | CHEMICAL- RESIDUES IN WATER | Drinking Water | Zinc as Zn | APHA 23rd Edition 3120 B |
| 256 | CHEMICAL- RESIDUES IN WATER | Ground Water | Arsenic as As | APHA 23rd Edition 3120 B |
| 257 | CHEMICAL- RESIDUES IN WATER | Ground water | Aluminium as Al | APHA 23rd Edition 3120 B |
| 258 | CHEMICAL- RESIDUES IN WATER | Ground Water | Antimony | APHA 23rd Edition 3120 B |
| 259 | CHEMICAL- RESIDUES IN WATER | Ground Water | Barium as Ba | APHA 23rd Edition 3120 B |
| 260 | CHEMICAL- RESIDUES IN WATER | Ground Water | Boron as B | IS 3025 (Part 57) |
| 261 | CHEMICAL- RESIDUES IN WATER | Ground Water | Cadmium as Cd | APHA 23rd Edition 3120 B |
| 262 | CHEMICAL- RESIDUES IN WATER | Ground Water | Calcium as Ca | APHA 23rd Edition 3500-Ca B |
| 263 | CHEMICAL- RESIDUES IN WATER | Ground Water | Copper as Cu | APHA 23rd Edition 3120 B |
| 264 | CHEMICAL- RESIDUES IN WATER | Ground Water | Hexachromium | APHA 23rd Edition 3500 Cr B |
| 265 | CHEMICAL- RESIDUES IN WATER | Ground Water | Iron as Fe | APHA 23rd Edition 3500 Fe B |
| 266 | CHEMICAL- RESIDUES IN WATER | Ground Water | Lead | APHA 23rd Edition 3120 B |
| 267 | CHEMICAL- RESIDUES IN WATER | Ground Water | Magnesium as Mg | APHA 23rd Edition 3500-Mg B |
| 268 | CHEMICAL- RESIDUES IN WATER | Ground Water | Manganese as Mn | APHA 23rd Edition 3120 B |
| 269 | CHEMICAL- RESIDUES IN WATER | Ground Water | Mercury as Hg | APHA 23rd Edition 3120 B |

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|---|---|---|---|---|
| 270 | CHEMICAL- RESIDUES IN WATER | Ground Water | Molybdenum as Mo | APHA 23rd Edition 3120 B |
| 271 | CHEMICAL- RESIDUES IN WATER | Ground Water | Nickel as Ni | APHA 23rd Edition 3120 B |
| 272 | CHEMICAL- RESIDUES IN WATER | Ground Water | Potassium | APHA 23rd Edition 3120 B |
| 273 | CHEMICAL- RESIDUES IN WATER | Ground Water | Selenium | APHA 23rd Edition 3120 B |
| 274 | CHEMICAL- RESIDUES IN WATER | Ground Water | Silver as Ag | APHA 23rd Edition 3120 B |
| 275 | CHEMICAL- RESIDUES IN WATER | Ground Water | Sodium | APHA 23rd Edition 3120 B |
| 276 | CHEMICAL- RESIDUES IN WATER | Ground Water | Strontium | APHA 23rd Edition 3120 B |
| 277 | CHEMICAL- RESIDUES IN WATER | Ground Water | Tin | APHA 23rd Edition 3120 B |
| 278 | CHEMICAL- RESIDUES IN WATER | Ground Water | Total Chromium as Cr | APHA 23rd Edition 3120 B |
| 279 | CHEMICAL- RESIDUES IN WATER | Ground Water | Vanadium | APHA 23rd Edition 3120 B |
| 280 | CHEMICAL- RESIDUES IN WATER | Ground Water | Zinc as Zn | APHA 23rd Edition 3120 B |
| 281 | CHEMICAL- RESIDUES IN WATER | Surface water | Aluminium as Al | APHA 23rd Edition 3120 B |
| 282 | CHEMICAL- RESIDUES IN WATER | Surface Water | Antimony | APHA 23rd Edition 3120 B |
| 283 | CHEMICAL- RESIDUES IN WATER | Surface Water | Arsenic as As | APHA 23rd Edition 3120 B |
| 284 | CHEMICAL- RESIDUES IN WATER | Surface Water | Barium as Ba | APHA 23rd Edition 3120 B |
| 285 | CHEMICAL- RESIDUES IN WATER | Surface water | Boron as B | IS 3025 (Part 57) |
| 286 | CHEMICAL- RESIDUES IN WATER | Surface Water | Cadmium as Cd | APHA 23rd Edition 3120 B |
| 287 | CHEMICAL- RESIDUES IN WATER | Surface water | Calcium as Ca | APHA 23rd Edition 3500-Ca B |
| 288 | CHEMICAL- RESIDUES IN WATER | Surface Water | Copper as Cu | APHA 23rd Edition 3120 B |

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|---|---|---|---|---|
| 289 | CHEMICAL- RESIDUES IN WATER | Surface Water | Hexachromium | APHA 23rd Edition 3500 Cr B |
| 290 | CHEMICAL- RESIDUES IN WATER | Surface Water | Iron as Fe | APHA 23rd Edition 3500 Fe B |
| 291 | CHEMICAL- RESIDUES IN WATER | Surface Water | Lead | APHA 23rd Edition 3120 B |
| 292 | CHEMICAL- RESIDUES IN WATER | Surface Water | Magnesium as Mg | APHA 23rd Edition 3500 Mg B |
| 293 | CHEMICAL- RESIDUES IN WATER | Surface Water | Manganese as Mn | APHA 23rd Edition 3120 B |
| 294 | CHEMICAL- RESIDUES IN WATER | Surface Water | Mercury as Hg | APHA 23rd Edition 3120 B |
| 295 | CHEMICAL- RESIDUES IN WATER | Surface Water | Molybdenum as Mo | APHA 23rd Edition 3120 B |
| 296 | CHEMICAL- RESIDUES IN WATER | Surface Water | Nickel as Ni | APHA 23rd Edition 3120 B |
| 297 | CHEMICAL- RESIDUES IN WATER | Surface Water | Potassium | APHA 23rd Edition 3120 B |
| 298 | CHEMICAL- RESIDUES IN WATER | Surface Water | Selenium | APHA 23rd Edition 3120 B |
| 299 | CHEMICAL- RESIDUES IN WATER | Surface Water | Silver as Ag | APHA 23rd Edition 3120 B |
| 300 | CHEMICAL- RESIDUES IN WATER | Surface Water | Sodium | APHA 23rd Edition 3120 B |
| 301 | CHEMICAL- RESIDUES IN WATER | Surface Water | Strontium | APHA 23rd Edition 3120 B |
| 302 | CHEMICAL- RESIDUES IN WATER | Surface Water | Tin | APHA 23rd Edition 3120 B |
| 303 | CHEMICAL- RESIDUES IN WATER | Surface Water | Total Chromium as Cr | APHA 23rd Edition 3120 B |
| 304 | CHEMICAL- RESIDUES IN WATER | Surface Water | Vanadium | APHA 23rd Edition 3120 B |
| 305 | CHEMICAL- RESIDUES IN WATER | Surface Water | Zinc as Zn | APHA 23rd Edition 3120 B |
| 306 | CHEMICAL- WATER | Drinking Water | Acidity | IS 3025 (Part 22) |
| 307 | CHEMICAL- WATER | Drinking Water | Ammonia as (Total Ammonical Nitrogen) | IS 3025 (Part 34) |
| 308 | CHEMICAL- WATER | Drinking Water | Anionic Detergent (as MBAS) | APHA 23rd Edition 5540 C |

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|---|---|---|---|---|
| 309 | CHEMICAL- WATER | Drinking Water | Chemical Oxygen Demand (COD) | APHA 23rd Edition 5220 C |
| 310 | CHEMICAL- WATER | Drinking Water | Chlorides as Cl | APHA 23rd Edition 4500 Cl- B |
| 311 | CHEMICAL- WATER | Drinking water | Colour | APHA 23rd Edition 2120 C |
| 312 | CHEMICAL- WATER | Drinking Water | Conductivity | APHA 23rd Edition 2510 B |
| 313 | CHEMICAL- WATER | Drinking Water | Cyanide as CN | APHA 23rd Edition 4500 CN- E |
| 314 | CHEMICAL- WATER | Drinking Water | Fluorides as F | APHA 23rd Edition 4500 F- D |
| 315 | CHEMICAL- WATER | Drinking Water | Nitrates as NO3 | APHA 23rd Edition 4500 NO3- B |
| 316 | CHEMICAL- WATER | Drinking Water | Nitrite | APHA 23rd Edition 4500 NO2- B |
| 317 | CHEMICAL- WATER | Drinking Water | Odour | IS 3025 (Part 5) |
| 318 | CHEMICAL- WATER | Drinking Water | pH | APHA 23rd Edition 4500 H+ B |
| 319 | CHEMICAL- WATER | Drinking Water | Phosphate | APHA 23rd Edition 4500 P D |
| 320 | CHEMICAL- WATER | Drinking Water | Silica | APHA 23rd Edition 4500 SiO2 C |
| 321 | CHEMICAL- WATER | Drinking Water | Sulphate | APHA 23rd Edition 4500 SO42- E |
| 322 | CHEMICAL- WATER | Drinking Water | Total Alkalinity as CaCO3 | IS 3025 (Part 23) |
| 323 | CHEMICAL- WATER | Drinking Water | Total Dissolved Solids (TDS) | APHA 23rd Edition 2540 C |
| 324 | CHEMICAL- WATER | Drinking Water | Total Hardness as CaCO3 | APHA 23rd Edition 2340 C |
| 325 | CHEMICAL- WATER | Drinking Water | Total Phosphate | APHA 23rd Edition 4500 P B-4 , D |
| 326 | CHEMICAL- WATER | Drinking Water | Total Solids | APHA 23rd Edition 2540 B |
| 327 | CHEMICAL- WATER | Drinking Water | Total Suspended Solids | APHA 23rd Edition 2540 D |
| 328 | CHEMICAL- WATER | Drinking Water | Turbidity | APHA 23rd Edition 2130 B |
| 329 | CHEMICAL- WATER | Ground Water | Acidity | IS 3025 (Part 22) |
| 330 | CHEMICAL- WATER | Ground water | Ammonia as Total Ammonical Nitrogen | IS 3025 (Part 34) |
| 331 | CHEMICAL- WATER | Ground Water | Anionic Detergent ( as MBAS ) | APHA 23rd Edition 5540 C |
| 332 | CHEMICAL- WATER | Ground Water | Chemical Oxygen Demand (COD) | APHA 23rd Edition 5220 C |
| 333 | CHEMICAL- WATER | Ground Water | Chloramines as Cl2 | IS 3025 (Part 26) |
| 334 | CHEMICAL- WATER | Ground Water | Chlorides as Cl | APHA 23rd Edition 4500 Cl- B |
| 335 | CHEMICAL- WATER | Ground Water | Colour | APHA 23rd Edition 2120 C |

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|---|---|---|---|---|
| 336 | CHEMICAL- WATER | Ground Water | Conductivity | APHA 23rd Edition 2510 B |
| 337 | CHEMICAL- WATER | Ground Water | Cyanide as CN | APHA 23rd Edition 4500 CN- E |
| 338 | CHEMICAL- WATER | Ground Water | Fluorides as F | APHA 23rd Edition 4500 F- D |
| 339 | CHEMICAL- WATER | Ground Water | Free Residual Chlorine | APHA 23rd Edition 4500 Cl B |
| 340 | CHEMICAL- WATER | Ground Water | Nitrate as NO3 | APHA 23rd Edition 4500 NO3- B |
| 341 | CHEMICAL- WATER | Ground Water | Nitrite | APHA 23rd Edition 4500 NO2- B |
| 342 | CHEMICAL- WATER | Ground water | Odour | IS 3025 (Part 5) |
| 343 | CHEMICAL- WATER | Ground Water | pH | APHA 23rd Edition 4500 H+ B |
| 344 | CHEMICAL- WATER | Ground Water | Phenolic Compound | APHA 23rd Edition 5530 C |
| 345 | CHEMICAL- WATER | Ground Water | Phosphate | APHA 23rd Edition 4500 P D |
| 346 | CHEMICAL- WATER | Ground Water | Silica | APHA 23rd Edition 4500 SiO2 C |
| 347 | CHEMICAL- WATER | Ground Water | Sulphates | APHA 23rd Edition 4500 SO42- E |
| 348 | CHEMICAL- WATER | Ground Water | Sulphides as H2S | APHA 23rd Edition 4500 S2- F |
| 349 | CHEMICAL- WATER | Ground Water | Total Alkalinity as CaCO3 | IS 3025 (Part 23) |
| 350 | CHEMICAL- WATER | Ground Water | Total Dissolved Solids (TDS) | APHA 23rd Edition 2540 C |
| 351 | CHEMICAL- WATER | Ground Water | Total Hardness as CaCO3 | APHA 23rd Edition 2340 C |
| 352 | CHEMICAL- WATER | Ground Water | Total Phosphate | APHA 23rd Edition 4500 P B-4 , D |
| 353 | CHEMICAL- WATER | Ground Water | Total Solids | APHA 23rd Edition 2540 B |
| 354 | CHEMICAL- WATER | Ground Water | Total Suspended Solids | APHA 23rd Edition 2540 D |
| 355 | CHEMICAL- WATER | Ground water | Turbidity | APHA 23rd Edition 2130 B |
| 356 | CHEMICAL- WATER | Surface Water | Acidity | IS 3025 (Part 22) |
| 357 | CHEMICAL- WATER | Surface water | Ammonia as Total Ammonical Nitrogen | IS 3025 (Part 34) |
| 358 | CHEMICAL- WATER | Surface Water | Anionic Detergent (as MBAS) | APHA 23rd Edition 5540 C |
| 359 | CHEMICAL- WATER | Surface Water | Chemical Oxygen Demand (COD ) | APHA 23rd Edition 5220 C |
| 360 | CHEMICAL- WATER | Surface water | Chloramines as Cl2 | IS 3025 (Part 26) |
| 361 | CHEMICAL- WATER | Surface water | Chlorides as Cl | APHA 23rd Edition 4500 Cl- B |
| 362 | CHEMICAL- WATER | Surface water | Colour | IS 3025 (Part 4) |
| 363 | CHEMICAL- WATER | Surface Water | Conductivity | APHA 23rd Edition 2510 B |

# SCOPE OF ACCREDITATION

**Laboratory Name :** KLEAN LABORATORIES AND RESEARCH (P) LTD., 402 PURUSHOTTAM PLAZA,BANER ROAD, PUNE, MAHARASHTRA, INDIA

**Accreditation Standard** ISO/IEC 17025:2017

**Certificate Number** TC-5512 **Page No** 19 of 20

**Validity** 11/10/2022 to 10/10/2024 **Last Amended on** 17/04/2023

| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| 364 | CHEMICAL- WATER | Surface Water | Cyanide as CN | APHA 23rd Edition 4500 CN- E |
| 365 | CHEMICAL- WATER | Surface Water | Fluorides as F | APHA 23rd Edition 4500 F- D |
| 366 | CHEMICAL- WATER | Surface Water | Free Residual Chlorine | APHA 23rd Edition 4500 Cl B |
| 367 | CHEMICAL- WATER | Surface Water | Nitrate as NO3 | APHA 23rd Edition 4500 NO3- B |
| 368 | CHEMICAL- WATER | Surface Water | Nitrite | APHA 23rd Edition 4500 NO2- B |
| 369 | CHEMICAL- WATER | Surface water | Odour | IS 3025 (Part 5) |
| 370 | CHEMICAL- WATER | Surface water | pH | APHA 23rd Edition 4500 H+ B |
| 371 | CHEMICAL- WATER | Surface Water | Phenolic Compound | APHA 23rd Edition 5530 C |
| 372 | CHEMICAL- WATER | Surface Water | Phosphate | APHA 23rd Edition 4500 P D |
| 373 | CHEMICAL- WATER | Surface Water | Silica | APHA 23rd Edition 4500 SiO2 C |
| 374 | CHEMICAL- WATER | Surface Water | Sulphate | APHA 23rd Edition 4500 SO42- E |
| 375 | CHEMICAL- WATER | Surface Water | Sulphides as H2S | APHA 23rd Edition 4500 S2- F |
| 376 | CHEMICAL- WATER | Surface Water | Total Alkalinity as CaCO3 | IS 3025 (Part 23) |
| 377 | CHEMICAL- WATER | Surface water | Total Dissolved Solids (TDS) | APHA 23rd Edition 2540 C |
| 378 | CHEMICAL- WATER | Surface Water | Total Hardness as CaCO3 | APHA 23rd Edition 2340 C |
| 379 | CHEMICAL- WATER | Surface Water | Total Phosphate | APHA 23rd Edition 4500 P B-4 , D |
| 380 | CHEMICAL- WATER | Surface Water | Total Solids | APHA 23rd Edition 2540 B |
| 381 | CHEMICAL- WATER | Surface Water | Total Suspended Solids | APHA 23rd Edition 2540 D |
| 382 | CHEMICAL- WATER | Surface water | Turbidity | APHA 23rd Edition 2130 B |

# SCOPE OF ACCREDITATION

| | | | |
|---|---|---|---|
| **Laboratory Name :** | KLEAN LABORATORIES AND RESEARCH (P) LTD., 402 PURUSHOTTAM PLAZA,BANER ROAD, PUNE, MAHARASHTRA, INDIA | | |
| **Accreditation Standard** | ISO/IEC 17025:2017 | | |
| **Certificate Number** | TC-5512 | **Page No** | 20 of 20 |
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| S.No | Discipline / Group | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used |
|---|---|---|---|---|
| Site Facility | | | | |
| 1 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Noise | Noise L max. | IS 9989 |
| 2 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Noise | Noise L10 | IS 9989 |
| 3 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Noise | Noise L50 | IS 9989 |
| 4 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Noise | Noise L90 | IS 9989 |
| 5 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Noise | Noise level dB(A) & Leq | IS 9989 |
| 6 | CHEMICAL- ATMOSPHERIC POLLUTION | Ambient Noise | Noise Lmin. | IS 9989 |

NOTE- The Laboratory has demonstrated competence for the stated scope for WATER. This however does not fully cover the specification requirements of BIS for the Packaged Drinking Water as per IS 14543 and the Packaged Natural Mineral Water IS 13428.