# National Accreditation Board for Testing and Calibration Laboratories

## SCOPE OF ACCREDITATION

**Laboratory Name :** SHANKER LABORATORIES, F-277, FLATTED FACTORY COMPLEX, CAPTAIN GAUR MARG, OKHLA, NEW DELHI, DELHI, INDIA

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

**Certificate Number** TC-6113 **Page No** 1 of 4

**Validity** 04/02/2023 to 03/02/2025 **Last Amended on** -

| 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 | CHEMICAL- BUILDING MATERIAL | Admixture | Ash | IS 9103 |
| 2 | CHEMICAL- BUILDING MATERIAL | Admixture | Chlorides | IS 6925 |
| 3 | CHEMICAL- BUILDING MATERIAL | Admixture | Dry Material Content | IS 9103 |
| 4 | CHEMICAL- BUILDING MATERIAL | Admixture | pH | IS 9103 |
| 5 | CHEMICAL- BUILDING MATERIAL | Aggregate | Alkali Aggregate Test Reduction in Alkalinity | IS 2386 (Part 7): Cl 3.7 & 3.9 |
| 6 | CHEMICAL- BUILDING MATERIAL | Aggregates | Alkali Aggregate Reactivity Dissolved Silica | IS 2386 (Part 7): Cl 3.7 & 3.9 |
| 7 | CHEMICAL- BUILDING MATERIAL | Building lime | Alumina | IS 6932 (Part 1) |
| 8 | CHEMICAL- BUILDING MATERIAL | Building Lime | Calcium Oxide | IS 6932 (Part 1) |
| 9 | CHEMICAL- BUILDING MATERIAL | Building Lime | Iron oxide | IS 6932 (Part 1) |
| 10 | CHEMICAL- BUILDING MATERIAL | Building Lime | Loss on Ignition | IS 6932 (Part 1) |
| 11 | CHEMICAL- BUILDING MATERIAL | Building lime | Magnesium Oxide | IS 6932 (Part 1) |
| 12 | CHEMICAL- BUILDING MATERIAL | Building Lime | Silica | IS 6932 (Part 1) |
| 13 | CHEMICAL- BUILDING MATERIAL | Concrete (hardened) | Chloride | IS 14959 ( Part 2) |
| 14 | CHEMICAL- BUILDING MATERIAL | Concrete (Hardened) | Sulphate | IS 4032 |
| 15 | CHEMICAL- BUILDING MATERIAL | Fly Ash | Alumina | IS 1727 |
| 16 | CHEMICAL- BUILDING MATERIAL | Fly Ash | Calcium Oxide | IS 1727 |
| 17 | CHEMICAL- BUILDING MATERIAL | Fly Ash | Iron oxide | IS 1727 |
| 18 | CHEMICAL- BUILDING MATERIAL | Fly ash | Loss on Ignition | IS 1727 |

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| 19 | CHEMICAL- BUILDING MATERIAL | Fly Ash | Magnesium Oxide | IS 1727 |
| 20 | CHEMICAL- BUILDING MATERIAL | Fly ash | Silica | IS 1727 |
| 21 | CHEMICAL- BUILDING MATERIAL | Gypsum | Calcium Oxide | IS 1288 |
| 22 | CHEMICAL- BUILDING MATERIAL | Gypsum | Combined water | IS 1288 |
| 23 | CHEMICAL- BUILDING MATERIAL | Gypsum | Iron And Aluminium | IS 1288 |
| 24 | CHEMICAL- BUILDING MATERIAL | Gypsum | Magnesium Oxide | IS 1288 |
| 25 | CHEMICAL- BUILDING MATERIAL | Gypsum | Silica | IS 1288 |
| 26 | CHEMICAL- BUILDING MATERIAL | Gypsum | Sulphate SO3 | IS 1288 |
| 27 | CHEMICAL- BUILDING MATERIAL | OPC, PPC | Alumina | IS 4032 |
| 28 | CHEMICAL- BUILDING MATERIAL | OPC, PPC | Iron Oxide (By EDTA) | IS 4032, Cl 4.5.2 |
| 29 | CHEMICAL- BUILDING MATERIAL | OPC, PPC | Loss on Ignition | IS 4032 |
| 30 | CHEMICAL- BUILDING MATERIAL | OPC, PPC | Magnesium Oxide (By EDTA) | Is 4032 Cl 4.8.2 |
| 31 | CHEMICAL- BUILDING MATERIAL | OPC, PPC | Silica | IS 4032 |
| 32 | CHEMICAL- BUILDING MATERIAL | OPC, PPC | Sulphuric Anhydride | IS 4032 |
| 33 | CHEMICAL- BUILDING MATERIAL | OPC, PPC | Total Chloride | IS 4032 |
| 34 | CHEMICAL- BUILDING MATERIAL | OPC, PPC | Total Lime (By EDTA) | IS 4032 Cl 4.7.2 |
| 35 | CHEMICAL- BUILDING MATERIAL | OPC, PPC | Total Potash | IS 4032 Cl 4.0 |
| 36 | CHEMICAL- BUILDING MATERIAL | OPC, PPC | Total Soda | IS 4032 Cl 4.0 |
| 37 | CHEMICAL- ORES & MINERALS | Iron Ore | Iron | IS 1493 (part 1) |

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| **Certificate Number** | TC-6113 | **Page No** | 3 of 4 |
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|---|---|---|---|---|
| 38 | CHEMICAL- ORES & MINERALS | Iron Ore | Silica | IS 1493 (part 1) |
| 39 | CHEMICAL- ORES & MINERALS | Limestone | Aluminium Oxide | IS 1760 (part 3) |
| 40 | CHEMICAL- ORES & MINERALS | Limestone | Calcium Oxide | IS 1760 (part 3) |
| 41 | CHEMICAL- ORES & MINERALS | Limestone | Loss on Ignition | IS 1760 (part 1) |
| 42 | CHEMICAL- ORES & MINERALS | Limestone | Magnesium Oxide | IS 1760 (part 3) |
| 43 | CHEMICAL- ORES & MINERALS | Limestone | Silica | IS 1760 (part 2) |
| 44 | CHEMICAL- SOLID FUELS | Biomass | Ash | ASTM E 1755 |
| 45 | CHEMICAL- SOLID FUELS | Biomass, Begasse | Moisture | ASTM D 4442 |
| 46 | CHEMICAL- SOLID FUELS | Biomass, Begasse | Volatile Matter | ASTM E 872 |
| 47 | CHEMICAL- SOLID FUELS | Coal | Ash | IS 1350 (Part 1) |
| 48 | CHEMICAL- SOLID FUELS | Coal | Carbon | IS 1350 (part 4) |
| 49 | CHEMICAL- SOLID FUELS | Coal | Gross calorific Value | IS 1350 (part 2) |
| 50 | CHEMICAL- SOLID FUELS | Coal | Hydrogen | IS 1350 (part 4) |
| 51 | CHEMICAL- SOLID FUELS | Coal | Moisture Content | IS 1350 (part 1) |
| 52 | CHEMICAL- SOLID FUELS | Coal | Nitrogen | IS 1350 (part 4 Sec 2) |
| 53 | CHEMICAL- SOLID FUELS | Coal | Sulphur | IS 1350 (part 3) |
| 54 | CHEMICAL- SOLID FUELS | Coal | Volatile Matter | IS 1350 (part 1) |
| 55 | CHEMICAL- WATER | CONSTRUCTION WATER | Acidity ((Volume of 0.02 N NaOH required to neutralize 100 ml Sample of Water) | IS 3025 |
| 56 | CHEMICAL- WATER | CONSTRUCTION WATER | Alkalinity as CaCO3 (Volume of 0.02 N H2SO4 required to neutralize 100 ml Sample of Water) | IS 3025 |
| 57 | CHEMICAL- WATER | CONSTRUCTION WATER | Chlorides | IS 3025 |
| 58 | CHEMICAL- WATER | CONSTRUCTION WATER | Inorganic Solids | ISO 3025 (Part 18) |
| 59 | CHEMICAL- WATER | CONSTRUCTION WATER | Organic Solids | IS 3025 (Part 18) |
| 60 | CHEMICAL- WATER | CONSTRUCTION WATER | pH | IS 3025 |
| 61 | CHEMICAL- WATER | CONSTRUCTION WATER | Sulphates | IS 3025 |

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| 62 | CHEMICAL- WATER | CONSTRUCTION WATER | Suspended Matter | IS 3025 (part 17) |
| 63 | CHEMICAL- WATER | Drinking Water | Calcium | IS 3025 |
| 64 | CHEMICAL- WATER | Drinking Water | Chlorides | IS 3025 |
| 65 | CHEMICAL- WATER | Drinking Water | Magnesium | IS 3025 |
| 66 | CHEMICAL- WATER | Drinking Water | pH | IS 3025 |
| 67 | CHEMICAL- WATER | Drinking Water | Sulphates | IS 3025 |
| 68 | CHEMICAL- WATER | Drinking Water | Total Alkalinity as CaCO3 | IS 3025 |
| 69 | CHEMICAL- WATER | Drinking Water | Total Dissolved Solids | IS 3025 |
| 70 | CHEMICAL- WATER | Drinking Water | Total Hardness | IS 3025 |
| 71 | CHEMICAL- WATER | Industrial Water | BOD | IS 3025 Pt 44 |
| 72 | CHEMICAL- WATER | Industrial Water | COD | IS 3025 Pt 58 |