**Analytical service**

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| **Sample Type** | **Parameters** | **Method** | **Fee (tk)/sample** |
| Liquid Fuel | Density  | Density meter | 3000 |
| pH | pH meter | 2000 |
| Specific gravity | Density meter | 2500 |
| Boiling range  | Physical  | 3000 |
| Purity (carbon & ash residue) | Physical  | 3500 |
| Flash point | Flash point meter | 2500 |
| Viscosity  | Viscometer | 3000 |
| Co-efficient of thermal expansion | Physical  | 3000 |
| Gas Fuel | Composition  | GC-TCD\_FID | 10000/compound |
| Natural gas | Composition  | GC-TCD\_FID | 10000/compound |
| Engine oil/ Gear/ Furnace oil/ lubricating oil | Viscosity  | Viscometer  | 3000 |
| Density  | Density meter | 3000 |
| pH | pH meter | 2000 |
| Solid Fuel (Charcoal/Coal/Coke) | Fixed carbon | ASTM | 3500 |
| Moisture  | ASTM | 3000 |
| Ash content | ASTM | 3500 |
| Volatile material | ASTM | 3500 |
| Rice husk | Particle size | Sieve shaker |  |
| Moisture content | ASTM |  |
| Carbon content  | ASTM |  |
| Ash content  | ASTM |  |
| Scale calibration  | Precision of dimension of scale | Standard gauge bar | 1500 |
| Aggregates(Fine & Coarse) | Particle size | Sieve shaker | 5000 |
| Dust content | Sieve shaker | 3000 |
| Broken particle content | Physical | 5000 |
| Moisture content | ASTM | 5000 |
| Clay lumps  | Sieve shaker | 5000 |
| Friable particles | Physical  | 5000 |
| Soundness | ASTM C88 | 15000 |
| Vegetable/Organic matter | NaOH treatment | 5000 |
| Sand | Particle size | Sieve shaker | 5000 |
| Moisture content | ASTM | 3000 |
| Dust content | Sieve shaker | 5000 |
| Broken particle content | Physical | 5000 |
| Brick | Water absorption | ASTM | 3000 |
| Loss on ignition | Physical  | 3000 |
| Efflorescence | Physical  | 5000 |
| Size and shape | Physical | 2500 |
| Unit weight | Physical | 3500 |
| Hardness  | Physical | 3000 |
| Stone | Particle size | Sieve shaker | 5000 |
| Moisture content | ASTM | 3000 |
| Dust content | Sieve shaker | 5000 |
| Broken particle content | Physical  | 5000 |
| Clay lumps  | Physical  | 5000 |
| Friable particles | Physical  | 5000 |
| Soundness  | ASTM C88 | 15000 |
| Cement | Moisture content | ASTM | 3000 |
| Insoluble residue | Physical | 8000 |
| Bulk density | Physical  | 3000 |
| Elemental composition | XRF | 1500/element |
| Loss on ignition  | Physical  | 3000 |
| Ceramics Tiles | Elemental composition | XRF | 1200/element |
| Water absorption | Water absorption meter | 3000 |
| Size and shape | Physical  | 1500 |
| Flexural/Modulus of Rupture | MOR machine | 2600 |
| Ceramic raw materials | Elemental composition | XRF | 10000 |
| Loss on Ignition | Physical  | 2000 |
| Clay | Elemental composition | XRF | 10000 |
| Loss on Ignition | Physical  | 2000 |
| Fly ash | Loss on ignition | Physical | 2000 |
| Elemental composition | XRF | 1000 |
| Carbon content | ASTM | 3000 |
| Polymer (plastic) | Chloride presence  | Flame test | 3000 |
| PE Tarpaulin | High Density Polyethylene (HDPE)  | Heat treatment | 3000 |
| Low Density Polyethylene (LDPE) | Heat treatment | 3000 |
| Water | pH | pH meter | 500 |
| Density | Density meter | 2500 |
| Dissolve oxygen (DO) | DO meter | 1000 |
| Specific Gravity | Density meter | 2000 |
| Color (True or Apparent) | Visual  | 500 |
| Total Hardness | Chemical  | 1000 |
| Total Dissolved Solids (TDS) | TDS meter | 500 |
| Total Suspended Solid (TSS) | Physical  | 1500 |
| Turbidity | Physical  | 300 |
| Sulphate (SO4) | Titration | 500 |
| Chloride (Cl) | Titration | 1500 |
| Ca-hardness | Titration | 2000 |
| Mg-hardness | Titration | 2000 |
| As/Ag/Al/Ca/Cd/Cu/Co/Cr/Fe/Mg/Hg/Mn/Ni/Pb/Zn-using ICP-OES | ICP-OES | 1500/element |
| Metal alloys/Steel | Elemental composition | XRF | 5000 |
| Hot Rolled and Cold Rolled identification | XRF & Visual | 5000 |
| Thermal expansion co-efficient | Thermal expansion meter | 5000 |

**Report delivery:** within 10 (ten) days from the date of sample submission