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| Laboratory | NSIC Technical Services Centre, Okhla Industrial Estate, Phase-III, New Delhi | | |
| Accreditation Standard | ISO/IEC 17025: 2005 | | |
| Discipline | Chemical Testing | Issue Date | 05.06.2014 |
| Certificate Number | T-2990 | Valid Until | 04.06.2016 |
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| S.No. | Product / Material of Test | Specific Test Performed | Test Method Specification against which tests are performed | Range of Testing / Limits of Detection |
|-------------------------------|---|--------------------------------|--|---|
| I. METALS & ALLOYS | | | | |
| 1. | Steel & Steel Alloys Low Carbon Steel, Mild Steel, Medium Carbon Steel, High Carbon Steel, Alloys Steel, Stainless Steel | Carbon | IS:228 (Pt-1) - 1987 (RA 2008) | 0.02% to 1.5% |
| | | Silicon | IS:228 (Pt-8) -1989 (RA 2004) | 0.01% to 1.0% |
| | | Manganese | IS:228 (Pt-2) - 1987 (RA 2002) | 0.15% to 15.0% |
| | | Sulphur | IS:228 (Pt-9) - 1989 (RA 2004) | 0.005% to 0.15% |
| | | Phosphorus | IS:228 (Pt-3) - 1987 (RA 2008) | 0.005% to 0.10% |
| | | Chromium | IS:228 (Pt-6)-1987 (RA 2002) | 0.01% to 20.0% |
| | | Nickel | IS:228 (Pt-5)-1987 (RA 2002) | 0.01% to 15.0% |
| 2. | Cast Iron & SG Iron | Total Carbon | IS:12308 (Pt-11)-1991 (RA 2001) | 2.25% to 4.0 % |
| | | Phosphorus | IS:12308(Pt-5)&(Pt-19)(RA 1999) | 0.002% to 0.30% |
| | | Silicon | IS:12308 (Pt-6)-1991 (RA1999) | 0.05% to 3.0% |
| | | Sulphur | IS:12308(Part 2)-1991 (RA 2002) | 0.002% to 0.20% |
| | | Manganese | IS:12308(Part-10)-1991(RA 2001) | 0.05% to 1.0% |

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| 3. | Copper & its Alloy | Tin | IS: 440-2006/ IS 4027 (P-5)-2006 | 0.001% to 2.0% |
| | | Lead | IS: 440-2006/ IS 4027 (P-1)-2006/ IS: 3685-2000 | 0.005% to 5% |
| | | Iron | IS:4027 (P-8)-2006 & IS: 440-1964 (RA 2006) | 0.01% to 2% |
| | | Zinc | IS: 4027 (P-6)-2006/ IS: 3685-2000 | 0.01% to 50% |
| | | Copper | IS: 4027 (P-1)-2006 & IS: 3685-1966 (RA 2006) | 0.002% to 75% |
| 4. | GI Sheet | Mass of Zinc Coating | IS: 277-2003 and 6745-1972 (RA 1994) | 25 g/m ² to 1000 g/m ² |
| II. BUILDING MATERIALS | | | | |
| 1. | Cement (PPC and OPC) | SiO ₂ | IS: 4032-1985 (RA 2005) | 0.1% to 30% |
| | | Al ₂ O ₃ | IS: 4032-1985 (RA 2005) | 0.1% to 10% |
| | | Fe ₂ O ₃ | IS: 4032-1985 (RA 2005) | 0.1% to 15% |
| | | MgO | IS: 4032-1985 (RA 2005) | 0.1% to 15% |
| | | Insoluble Residue | IS: 4032-1985 (RA 2005) | 0.1% to 35% |
| | | Total Loss on Ignition | IS: 4032-1985 (RA 2005) | 0.1% to 10% |
| | | CaO | IS: 4032-1985 (RA 2005) | 40% to 70% |
| | | SO ₃ | IS: 4032-1985 (RA 2005) | 0.1% to 4% |

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| III. WATER | | | | |
| 1. Construction Water | Acidity | | IS:3025 (Pt-22) - 1986 (RA 2009) | 2 ml to 5 ml |
| | Alkalinity | | IS:3025 (Pt-23) - 1986 (RA 2003) | 5 ml to 25 ml |
| | Sulphate | | IS:3025 (Pt-24) - 1986 (RA 2003) | 10 mg/ltr to 1000 mg/ltr |
| | Chloride | | IS:3025 (Pt-32) - 1988 (RA2003) | 10 mg/ltr to 1000 mg/ltr |
| | Organic Solid | | IS:3025 (Pt-18) - 1984 (RA 2012) | 2 mg/ltr to 1000 mg/ltr |
| | Inorganic Solid | | IS:3025 (Pt-18) - 1984 (RA 2012) | 10 mg/ltr to 3000 mg/ltr |
| | Total Suspended Materials | | IS:3025 (Pt-17)-1984 (RA 2012) | 5 mg/ltr to 1000 mg/ltr |
| | pH Value | | IS:3025 (Pt-11) - 1983 (RA 2006) | 2 to 12 |

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