

Laboratory	Geo Test House- A Division of Geo Designs & Research Pvt. Ltd., B-10, Krishna Industrial Estate, Vadodara, Gujarat		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	28.05.2015
Certificate Number	T-2291	Valid Until	27.05.2017
Last Amended on	-	Page	1 of 2

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. BUILDING MATERIALS				
1.	Admixture (Plasticizer)	Dry Material Content	IS 9103: 1999	10 % to 50 %
		pH Value	IS 9103: 1999	4.5 to 14
		Ash Content	IS 9103: 1999	1 % to 20 %
		Relative Density	IS 9103: 1999	0.5 to 2
		Chloride	IS 6925: 1973 (RA 1999)	0.0001 % to 3.5 %
2.	Bitumen	Absolute Viscosity @ 60 °C	IS 1206 : 1978 (Part II) (RA 2009)	360 Poises to 3600 Poises
		Kinematic Viscosity @ 135 °C	IS 1206 : 1978 (Part III) (RA 2009)	100 cSt to 550 cSt
II. WATER				
1.	Water (Construction)	pH	IS 3025 (Part 11): 2002 (RA 2012)	2 to 12
		Chloride	IS 3025 (Part 32): 2003 (RA 2009)	20 mg/l to 25000 mg/l
		Sulphate	IS 3025 (Part 24): 2003 (RA 2009)	50 mg/l to 25000 mg/l

Laboratory **Geo Test House- A Division of Geo Designs & Research Pvt. Ltd., B-10, Krishna Industrial Estate, Vadodara, Gujarat**

Accreditation Standard **ISO/IEC 17025: 2005**

Discipline **Chemical Testing** **Issue Date** **28.05.2015**

Certificate Number **T-2291** **Valid Until** **27.05.2017**

Last Amended on **-** **Page** **2 of 2**

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
-------	----------------------------	-------------------------	---	--

III. METALS & ALLOYS

1. Low Alloy Steel	Aluminum (Al)		ASTM E - 415: 2014	0.010 % to 0.35 %
	Arsenic (As)		IS 8811: 1998	0.004 % to 0.015 %
	Carbon (C)			0.04 % to 1.35 %
	Chromium (Cr)			0.11 % to 2.1 %
	Copper (Cu)			0.1 % to 0.07 %
	Manganese (Mn)			0.2 % to 1.8 %
	Molybdenum (Mo)			0.02 % to 1.0 %
	Nickel (Ni)			0.019 % to 4.2 %
	Phosphorous (P)			0.01 % to 0.06 %
	Silicon (Si)			0.1 % to 1.0 %
	Sulfur (S)			0.007 % to 0.06 %
Vanadium (V)			0.01 % to 0.5 %	
2. Stainless Steel	Chromium (Cr)		ASTM E - 1086: 2014	14.0 % to 26.0 %
	Nickel (Ni)			5.6 % to 20.5 %
	Molybdenum (Mo)			1.5 % to 3.0 %
	Manganese (Mn)			0.7 % to 1.5 %
	Silicon (Si)			0.2 % to 0.60 %
	Copper (Cu)			0.02 % to 2.0 %
	Carbon (C)			0.01 % to 0.1 %
	Phosphorous (P)			0.01 % to 0.05 %
Sulfur (S)			0.006 % to 0.03 %	

-X-X-X-X-X-X-X-X-X-X-X-X-