

## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

### RADHAKRISHNADEV MATERIAL TESTING LAB

Opp. BAPS Swaminarayan Temple, National Highway,  
B/h. Rajvi Hotel, Limbdi - 363421,  
Dist. Surendranagar, Gujarat, India.

### CHEMICAL TESTING

Certificate Number : 16202 | Valid : 9 February 2018

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<b>I. BUILDING MATERIALS</b>				
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
<b>II. WATER</b>				
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
		Total Suspended solids	IS 3025 :1984 (Part- 17)	1 mg/l to 3000 mg/l
		Total dissolved solids	IS 3025 :1984 (Part- 16)	10 mg/l to 1000 mg/l
		Acidity	IS 3025 :1986 (Part- 22)	0 mg/l to 2500 mg/l
		Alkalinity	IS 3025 :1986 (Part- 23)	0 mg/l to 5000 mg/l
		Volatile Residue	IS 3025 :1984 (Part- 18)	10 mg/l to 1000 mg/l
		Fixed Residue	IS 3025 :1984 (Part- 18)	10 mg/l to 5000 mg/l
<b>III. METALS &amp; ALLOYS</b>				
1.	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 %			

ASCAB Approval