

**Laboratory** Perfect Geotechnics Pvt. Ltd., Shop No.24,25, Plot No. 92 to 95,  
 Maruti Paradise, Sector 15, CBD Belapur, Navi Mumbai, Maharashtra  
**Accreditation Standard** ISO/IEC 17025: 2005  
**Certificate Number** TC-7148 **Page 1 of 1**  
**Validity** 13.04.2018 to 12.04.2020 **Last Amended on -**

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
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**MECHANICAL TESTING**

I.	SOIL & ROCK			
1.	SOIL	Moisture Content	IS 2720 (Part 2)	1 % to 60 %
		Light Compaction:	IS 2720 (Part 7)	1.2 g/cm <sup>3</sup> to 2.0 g/cm <sup>3</sup>
		Maximum Dry Density		
		Optimum Moisture Content		10 % to 30 %
		Heavy Compaction:	IS 2720 (Part 8)	1.4 g/cm <sup>3</sup> to 2.5 g/cm <sup>3</sup>
		Maximum Dry Density		
Optimum Moisture Content		10 % to 30 %		
		Free swell Index	IS 2720 (Part 40)	1 % to 100 %
2.	ROCK	Specific Gravity	IS 1122	1.85 to 3.2