

Laboratory ARBRO Pharmaceuticals Private Limited (Analytical Division), 4/9, Kirti Nagar, Industrial Area, New Delhi
 Location 1: 4/9, Kirti Nagar, Industrial Area, New Delhi
 Location 2: 6/13, Kirti Nagar, Industrial Area, New Delhi

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Testing **Issue Date** 29.02.2016

Certificate Number T-1180 **Valid Until** 22.11.2016

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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
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LOCATION: 1

I. PLASTICS, RUBBER AND LEATHER

1. Plastic Containers For Drinking Water	Brimful capacity	IS 2798: 1998 (RA 2009)	100 mL to 20 L
	Wall thickness	IS 2798: 1998 (RA 2009)	0.05 mm to 20 mm
	Transparency	IS 15410: 2003 (RA 2009)	50 % to 100 %
	Leakage test	IS 2798: 1998 (RA 2009)	Qualitative
	Drop test	IS 2798: 1998 (RA 2009)	Qualitative
2. Poly Ethylene Pouches For Mineral Water	Drop Test	IS 15609: 2005	Qualitative
	Dart Impact Resistance	IS 2058	Qualitative
	Stack load test	IS 15609: 2005	Qualitative
	Ink adhesion test	IS 15609: 2005	Qualitative
	Tensile strength	IS 2058	15 N/mm ² to 30 N/mm ²
Elongation at break	IS 2058	100 % to 700 %	

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LOCATION: 2

I. MECHANICAL PROPERTIES OF MATERIALS

1. Structural Steel/ High Strength Deformed Bars	Mass		IS 1786: 2008 (RA 2012) IS 2062: 2011	0.1 kg/meter to 10 kg/meter
	Tensile strength		IS 1608: 2005	200 N/ mm ² to 900 N/mm ²
	Elongation		IS 1608: 2005	5 % to 40 %
	Yield stress		IS 1608: 2005	200 N/mm ² to 800 N/mm ²
	Bend Test		IS 1599: 2012	Qualitative (Mandrel size: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 22, 24, 30, 36, 56, 70, 72, 75, 96, 120, 128, 150 & 200 mm)
	Rebend Test		IS 1786: 2008	Qualitative (Mandrel size: 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 18, 20, 22, 24, 30, 36, 56, 70, 72, 75, 96, 120, 128, 150 & 200 mm)
2. Steel Tubes/Pipe	Mass		IS 1161: 1998 (RA 2012) IS 1239 (Part 1): 2004 (RA 2010)	0.1 kg/meter to 20 kg/meter
	Tensile strength		IS 1608: 2005	150 N/mm ² to 800 N/mm ²
	Elongation		IS 1608: 2005	5 % to 50 %

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	Steel Tubes/Pipe	Yield stress	IS 1608: 2005	150 N/mm ² to 600 N/mm ²
		Flattening test	IS 2328: 2005	Qualitative
		Crushing test	IS 3601: 2006	Qualitative
3.	Galvanized Steel Sheet (Plain And Corrugated)	Mass	IS 277: 2003	0.1 kg/meter to 30 kg/meter
		Dimension	IS 277: 2003	
		Length		1 mm to 3000 mm
		Width		1 mm to 2000 mm
		Thickness		0.1 mm to 250 mm
		Mass of Zinc coating	IS 6745: 1972	50 g/m ² to 1000 g/m ²
		Bend test	IS 277: 2003	Qualitative
	Depth and pitch of the corrugations	IS 277: 2003	0.02 mm to 150 mm	
4.	Hard Drawn Steel Wire	Nominal size	IS 432 (Part 2): 1982	5 mm to 150 mm
		Ultimate Tensile strength	IS 1608: 2005	200 N/mm ² to 800 N/mm ²
		Elongation	IS 1608: 2005	2 % to 40 %
		Proof Stress	IS 1608: 2005	150 N/mm ² to 600 N/mm ²
		Reverse bend test	IS 1716: 1985	Qualitative

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	Soil	Light Compaction Test	IS 2720 (Part 7): 1980 (RA 2007)	0.1 g/cc to 4 g/cc 5 % to 20 %
		Heavy Compaction Test	IS 2720 (Part 8): 1983 (RA 2007)	0.1 g/cc to 4 g/cc 5 % to 20 %
		Grain size analysis	IS 2720 (Part 4): 1985 (RA 2010)	4.75 mm to 75 micron
		Liquid limit	IS 2720 (Part 5): 1985 (RA 2010)	10 % to 60 %
		Plastic limit	IS 2720 (Part 5): 1985 (RA 2010)	1 % to 60 %

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