

**Laboratory** FMI Testing Laboratory, B-7/12, MIDC Area, Miraj, District Sangli, Maharashtra

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

**Certificate Number** TC-5278 (in lieu of T-3352)

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**Validity** 31.03.2017 to 30.03.2019

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.	<b>MECHANICAL PROPERTIES OF METALS</b>			
1.	<b>Steel Alloys Test Blocks</b>	Rockwell Hardness Test	IS 1586 (Part 1): 2012 ASTM E18: 2016 ISO 6508-1: 2016	(38 to 95) HRA (60 to 100) HRBW (20 to 70) HRC
		Rockwell Superficial Hardness Test	IS 1586 (Part 1): 2012 ASTM E18: 2016 ISO 6508-1: 2016	(70 to 94) HR15N (42 to 86) HR30N (20 to 77) HR45N (77 to 93) HR15TW (51 to 82) HR30TW (25 to 72) HR45TW
		Brinell Hardness Test	IS 1500 (Part 1): 2013 ISO 6506-1: 2014	(32 to 200) HBW 5/250 (95 to 600) HBW 2.5/187.5 (95 to 600) HBW 5/750 (95 to 200) HBW 10/500 (95 to 200) HBW 10/1000 (95 to 600) HBW 10/3000 (32 to 200) HBW 2.5/62.5
		Vickers Hardness Test	IS 1501 (Part 1): 2013 ISO 6507-1: 2005	(100 to 1000) HV 0.2 (100 to 1000) HV 0.3 (100 to 1000) HV 0.5 (100 to 1000) HV 1 (100 to 1000) HV 5 (100 to 1000) HV 10 (100 to 1000) HV 20 (100 to 1000) HV 30
2.	<b>Aluminum Alloys Test Blocks</b>	Rockwell Hardness Test	IS 1586 (Part 1): 2012 ASTM E18: 2016 ISO 6508-1: 2016	(20 to 55) HRA (10 to 80) HRBW
		Rockwell Superficial Hardness Test	IS 1586 (Part 1): 2012 ASTM E18: 2016 ISO 6508-1: 2016	(67 to 93) HR15TW (29 to 82) HR30TW (10 to 72) HR45TW

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Program Director

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		Brinell Hardness Test	IS 1500 (Part 1): 2013 ISO 6506-1: 2014	(32 to 200) HBW 5/250 (95 to 200) HBW 2.5/187.5 (95 to 200) HBW 5/750 (95 to 200) HBW 10/500 (95 to 200) HBW 10/1000 (95 to 200) HBW 10/3000 (32 to 200) HBW 2.5/62.5
		Vickers Hardness Test	IS 1501 (Part 1) :2013 ISO 6507-1: 2005	(50 to 200) HV 0.2 (50 to 200) HV 0.3 (50 to 200) HV 0.5 (50 to 200) HV 1 (50 to 200) HV 5 (50 to 200) HV 10 (50 to 200) HV 20 (50 to 200) HV 30
3.	Copper Alloys Test Blocks	Rockwell Hardness Test	IS 1586 (Part 1): 2012 ASTM E18: 2016 ISO 6508-1: 2016	(20 to 55) HRA (10 to 90) HRBW
		Rockwell Superficial Hardness Test	IS 1586 (Part 1): 2012 ASTM E18: 2016 ISO 6508-1: 2016	(67 to 93) HR15TW (29 to 82) HR30TW (10 to 72) HR45TW
		Brinell Hardness Test	IS 1500 (Part 1): 2013 ISO 6506-1: 2014	(32 to 200) HBW 5/250 (95 to 600) HBW 2.5/187.5 (95 to 600) HBW 5/750 (95 to 200) HBW 10/500 (95 to 200) HBW 10/1000 (95 to 600) HBW 10/3000 (32 to 200) HBW 2.5/62.5
		Vickers Hardness Test	IS 1501 (Part 1) :2013 ISO 6507-1: 2005	(50 to 200) HV 0.2 (50 to 200) HV 0.3 (50 to 200) HV 0.5 (50 to 200) HV 1 (50 to 200) HV 5 (50 to 200) HV 10 (50 to 200) HV 20 (50 to 200) HV 30

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