Laboratory		-	Brand Alloys Limited (Laboratory Testing Services), NH-2, Delhi Road, Sreerampore, Hooghly, Karnataka			
Accreditation Standard Discipline Certificate Number		d ISO/IEC 17025: 2005	ISO/IEC 17025: 2005			
		Mechanical Testing	Mechanical Testing T-0667		02.01.2015	
		T-0667			01.01.2017	
Las	t Amended on	-		Page	1 of 1	
S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed		Range of Testing / Limits of Detection	
I.	MECHANCIAL PRO	OPERTIES OF MATERIALS				
1.	Metallic Materials/ Products (Ferrous)	Ultimate Tensile Strength	IS 1608: 2005 (RA 2006)	400 N/mi	400 N/mm <sup>2</sup> to 600 N/mm <sup>2</sup>	
		Yield Strength	IS 1608: 2005 (RA 2006)	240 N/mi	$n^2$ to 400 N/mm <sup>2</sup>	
		% Elongation	IS 1608: 2005 (RA 2006)	10 % to 3	10 % to 35 % 10 % to 70 % 100 HBW to 500 HBW	
		% Reduction in Area	IS 1608: 2005 (RA 2006)	10 % to 7		
		Brinell Hardness	IS 1500: 2005	100 HBW		
		Rockwell Hardness	IS 1586 (Part 2): 2012	85 HRB (	o 50 HRB o 100 HRB o 70 HRC	
		Impact Test Charpy	IS 1757: 1988 (RA 2003)	2 J to 30	Ţ	
II.	BUILDING MATER	IALS				
1.	Foundry Sand	Moisture Content (Weight Method)	IS 1918: 1966 (RA 2003)	0.10 % to	0.10 % to 15 %	
		Clay Content	IS 1918: 1966 (RA 2003)	0.10 % to	2.0 %	
		Grain Fineness Number	IS 1918: 1966 (RA 2003)	AFS: 30	to 60	
		Shatter Index	IS 1918: 1966 (RA 2003)	0 to 100	%	

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