

Laboratory	Chemical Lab, Mukand Ltd., Thane- Belapur Road, Post. Kalwe, Mumbai, Maharashtra		
Accreditation Standard	ISO/IEC 17025: 2005		
Discipline	Chemical Testing	Issue Date	21.04.2015
Certificate Number	T-1585	Valid Until	20.04.2017
Last Amended on	24.05.2015	Page	1 of 2

S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	METALS & ALLOYS			
1.	Carbon Steel and Low Alloy Steel	C Mn Si P S Sn Ni Cr Cu Mo V Al Ti Nb B Ca N ₂	ASTM E 415: 2014	0.01 % to 1.1 % 0.01 % to 2.0 % 0.005 % to 1.5 % 0.01 % to 0.075 % 0.005 % to 0.055 % 0.001 % to 0.09 % 0.01 % to 4.6 % 0.01 % to 3.1 % 0.01 % to 0.73 % 0.003 % to 1.05 % 0.005 % to 0.5 % 0.001 % to 0.5 % 0.0005 % to 0.3 % 0.005 % to 0.08 % 0.0001 % to 0.01 % 0.0001 % to 0.004 % 0.005 % to 0.015 %
2.	Stainless Steel	C Mn Si P S Sn Ni Cr Cu Mo Ti Nb Co	ASTM E 1086: 2014	0.005 % to 0.25 % 0.01 % to 8 % 0.01 % to 1.5 % 0.005 % to 0.08 % 0.003 % to 0.05 % 0.001 % to 0.05 % 0.2 % to 25 % 5 % to 26 % 0.01 % to 3.2 % 0.01 % to 3 % 0.001 % to 0.6 % 0.01 % to 1.2 % 0.005 % to 0.95 %

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3.	Steel	C S O ₂ N ₂	ASTM E-1019 : 2011	0.01 % to 6 % 0.005 % to 0.36 % 0.0005 % to 0.02 % 0.002 % to 0.2 %

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