

Laboratory Precision Metals, Atkargaon, Takai-Adoshi, Khopoli, Tal. Khalapur,
Dist. Raigad, Maharashtra

Accreditation Standard ISO/IEC 17025: 2005

Certificate Number TC-7196

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Validity 26.04.2018 to 25.04.2020

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.	MECHANICAL PROPERTIES OF METALS			
1.	Stainless Steel	Tensile Test		
		Ultimate Tensile Strength	ASTM A 370 IS 1608 ISO 6892	440 N/mm ² to 1500 N/mm ² (10 kN to 400 kN load)
		0.2 % Proof Stress		150 to 1200 N/mm ² (10 kN to 400 kN load)
		1.0 % Proof Stress		150 to 1200 N/mm ² (10 kN to 400 kN load)
		Yield Strength		150 N/mm ² to 1200 N/mm ² (10 kN to 400 kN load)
		Elongation		8 % to 80 %
		Reduction Area		10 % to 70 %
		Impact Test		
		Charpy 'V' Notch (CVN)	ISO 148 (Part 1)	2 J to 240 J
		Izod 'V' Notch	BS 131 (Part 1)	2 J to 168 J
		Hardness		
		Brinell	ASTM E 10	110 HBW to 500 HBW 2.5 Ø/187.5 kgf) 110 HBW to 500 HBW (10 Ø /3000 kgf)
		Rockwell		ASTM E 18