National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

CERTIFICATE OF ACCREDITATION

PRECISION METALS

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2005

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

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

in the field of

TESTING

Certificate Number TC-7196

Issue Date 26/04/2018 **Valid Until** 25/04/2020

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Signed for and on behalf of NABL

N. Venkateswaran
Program Director

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Anil Relia
Chief Executive Officer

National Accreditation Board for Testing and Calibration Laboratories

(A Constituent Board of Quality Council of India)

SCOPE OF ACCREDITATION

Laboratory	**Precision Metals, Atkargaon, Takai-Adoshi, Khopoli, Tal. Khalapur, Dist. Raigad, Maharashtra**
Accreditation Standard	**ISO/IEC 17025: 2005**
Certificate Number	**TC-7196**
Validity	**26.04.2018 to 25.04.2020**

Last Amended on --

MECHANICAL TESTING

Sl.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I.	**MECHANICAL PROPERTIES OF METALS**			
1.	**Stainless Steel**	**Tensile Test**		
		Ultimate Tensile Strength	ASTM A 370 IS 1608 ISO 6892	440 N/mm² to 1500 N/mm² (10 kN to 400 kN load)
		0.2 % Proof Stress		150 to 1200 N/mm² (10 kN to 400 kN load)
		1.0 % Proof Stress		150 to 1200 N/mm² (10 kN to 400 kN load)
		Yield Strength		150 N/mm² to 1200 N/mm² (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	20 HRC to 70 HRC 20 HRBW to 100 HRBW

Sachin

Sachin Tomar
Convenor

N. Venkateswaran
Program Director