

**MICROLAB**

AN IS/ISO/IEC 17025 METALLURGICAL TEST HOUSE

Accredited by NABL, Dept. of Science & Technology, Govt. of India.

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TEST REPORT

Customer : M/s.Scolarian Bicycles Pvt Ltd No: 42, Aishwarya Nagar,P.N.Pudur Coimbatore-641041	Report No / Date	ML/26172/2/17-18 Dt-25 Dec 2017
	Your ref./ Date	Letter Dt-18 Dec 2017
	Our ref./ Date	TOCR :26172/17-18 Dt: 19 Dec 2017
	Date of Testing	19 Dec 2017 - 25 Dec 2017
	Sample Drawn By	Customer
	Sample Description	Sheet Size: 1.6mm Thick Material: AISI 4130 Qty: 1No

1	Chemical Analysis (Fe)	ASTM E415-2015	
	<u>Test Parameters</u>	<u>Specified Value</u>	<u>Observation</u>
	Carbon (C) (%)	0.28-0.33	0.330
	Silicon (Si) (%)	0.15-0.30	0.266
	Manganese (Mn) (%)	0.40-0.60	0.587
	Phosphorus (P) (%)	0.035 max	0.013
	Sulphur (S) (%)	0.040 max	<0.001
	Chromium (Cr) (%)	0.80-1.10	1.046
	Molybdenum (Mo) (%)	0.15-0.25	0.200
Remarks			

Remarks : The above chemical composition meets the requirement of SAE Grade 4130

2	Tensile Test	ASTM A370-2016	
	<u>Test Parameters</u>	<u>Observation</u>	
	Yield Strength (N/mm ² or Mpa)	364	
	Tensile Strength (N/mm ² or Mpa)	521	
Elongation in 50mm GL (%)	34.5		

Verified By :



End of the test report

For MICROLAB

S.R. Balasubramaniam, M.E., (Met. Engg)
Authorized Signatory



NOTE : This report relates only to the particular sample submitted for test • Any correction in the report will invalidate this report • Samples will be destroyed after 15 days from date of completion of tests unless informed by the customer • Any complaints about this report should be communicated in writing within 7 days from the date of receipt of report • This report cannot be reproduced except in full • Sample description is given as described by the customer • Sampling is not carried out by the laboratory.