



# MICROLAB

AN IS/ISO/IEC 17025 METALLURGICAL TEST HOUSE

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### TEST REPORT

<b>Customer:</b> <b>M/s. Sclarian Bicycles Pvt Ltd</b> #42, Aishwarya Nagar, P.N.Pudur Coimbatore - 641 041	ULR-TC584819000002653P	
	Report No / Date	ML/F1323/11/19-20/ Dt: 26.06.2019
	Your ref./ Date	Challan No: #SBDC15/06/19/Dt: 15.06.2019
	Our ref./ Date	TOCR: F1323/19-20/ Dt: 18.06.2019
	Nature of test	Chemical Analysis (OES), Tensile Test
	Test Reference	ASTM E415-2017, ASTM A370-18
	Date of Testing	26.06.2019
	Sample Draw By	Customer
	Sample Description	Test Specimen Size: 25.4X3 Material: AISI 4130 Sample Id : K Qty: 1No.

#### 1. Chemical Analysis:

Elements	Symbol	Unit	Specified Values	Observed Values
Carbon	C	%	0.28-0.33	0.281
Silicon	Si	%	0.15-0.35	0.212
Manganese	Mn	%	0.40-0.60	0.524
Phosphorus	P	%	0.035 max	0.011
Sulphur*	S	%	0.040 max	0.001
Chromium	Cr	%	0.80-1.10	0.942
Molybdenum	Mo	%	0.15-0.20	0.162

Note: \* Range not within NABL Scope

**Remarks:** The above chemical composition **meets** the requirements of ASTM A29- AISI 4130

#### 2. Tensile Test:

Test Parameters	Observed Values
Yield Strength ( 0.2% offset) MPa	514
Ultimate Tensile Strength (MPa)	736
% Elongation in 50mm GL	26.4

Verified by

----- CONCLUDED -----

For MICROLAB

  
S. Venkateshwaran  
Authorized Signatory.



**NOTE :** This report relates only to the particular sample submitted for test ● Any correction in the report will invalidate this report ● Any complaints about this report should be communicated in writing with in 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 ● **Samples will be destroyed after 15 days from date of completion of tests unless informed by the customer.**