



# S. N. Heat Treatment Private Limited

A Complete Materials Testing Lab & Heat Treatment Shop

B-70, Behind BKT Tyres, M.I.D.C. Area, Waluj, Aurangabad - 431 136. (M.S.)  
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## TEST REPORT

FM/SNHT/33

To  
M/s. Saptagiri Industries  
Plot No. A - 44 ,  
MIDC, Waluj  
Aurangabad-431136

ULR No. TC512721000001540F  
Test Report No. N-0732  
Date 08/02/2022  
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Customer Ref. No. & Date : 1283

Description of Sample : Steel Strip Thk 3.00x20x250 mm Sample

Supplier :

Sample Received On : 08/02/2022

Test Method : ASTM-E-415-2017, IS : 1586 : (Part-1) : 2018, IS : 1608 : (Part-1) 2018,

Testing Date Respectively : 08/02/2022

Instruction of Customer :

### TEST RESULTS :

Sr. No.	Test Conducted	Observations	Specified for " HR - 3 " grade
1	Chemical Analysis		
	% Carbon [ C ]	0.045	0.08 max
	% Manganese [ Mn ]	0.36	0.40 max
	% Sulphur [ S ]	0.007	0.030 max
	% Phosphorous [ P ]	0.013	0.035 max
	% Silicon [ Si ]	0.033	----
2	Hardness HRBW	63 , 64	---
3	Tensile Strength		
	Size ( Thickness x width )	3.00 x 21.16	----
	Area mm <sup>2</sup>	63.48	---
	Gauge length mm	80	---
	Final Length mm	104.04	---
	Yield Load kN	18.58	--
	Ultimate Load kN	24.68	---
	Yield stress ( MPa )	292.69	----
	U.T.S. ( Mpa )	388.78	400.0 max
	Elongation %	30.05	28.0 min

Remarks : The checked parameters of given sample conforms to " HR - 3 " grade as per IS 1079- 2009 .

*JOSIAK*

Reviewed By

*[Signature]*

Authorized Signatory with Name  
S.N.Choudhari ( T M )

---- END of Report ----

Verified By

Sign. *[Signature]*

**Disclaimer :** 1) This Report refers only to the particular items submitted for testing by customer 2) This Report shall not be reproduced, except in full, without our written permission. 3) The Report No. is same as sample Identification No. or Lab No. 4) The Statement of confirmity (if made any by the lab) is made on comparing observations with the specifications. The decision of acceptance and rejection lies with the customer.'