

**BHARTIYA ENTERPRISES****Material Testing Laboratory**

Plot No.-254, Sector-24, Faridabad-121005 (India)

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TC - 5739

**Bhartiya**
**Test Report**

Report No. : ULR TC57392500009721F Issued to : M/s S.S.B. ENGINEERS PVT. LTD.  
Customer : 133, M.I.A. ALWAR (RAJ.)-301001

Issue Date : 27/03/2025

Job Order No. : 9900

Sample Receipt Date : 26/03/2025

Sample Description : ROUND DIA 80mm  
H.NO.6909 GR.20MnCr5(B)

Discipline / Group : CHEMICAL- METALS &amp; ALLOYS

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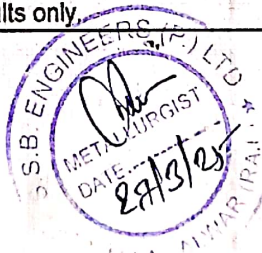
Reference No.	9800
Date of Analysis	27-03-2025
Test Method	OES/JIS G1253:2013

Test Results	
Element	%
Carbon	0.174
Silicon	0.252
Manganese	1.287
Chromium	1.232
Nickel	0.096
Molybdenum	0.062
Vanadium	0.003
Copper	0.188
Aluminium	0.032
Sulphur	0.022
Phosphorus	0.017
Boron	0.0018
Titanium	0.004
Niobium	0.030

Specification for 20MnCr5(B)	
Min %	Max %
0.15	0.20
.....	0.40
1.00	1.30
1.00	1.30
.....	0.30
.....	0.12
.....	.....
.....	0.30
0.020	0.050
0.020	0.035
.....	0.025
0.0010	0.0030
.....	0.005
.....	.....

**Statement of Conformity :-** Sample conforms to Steel Grade 20MnCr5(B) (Specified by Customer) with respect to above test results only.

Checked by :



- Notes: 1. Sample not drawn by us. Analysis conducted on "As received basis" unless specified otherwise. Sample will be retained only for 15 days.  
2. The results listed refer only to the tested sample and applicable parameters. Endorsement of product is neither inferred nor implied.  
3. Measurement uncertainty and associated risks are not taken into account when reporting statement of conformity as agreed by the customer.  
4. This report can not be used as an evidence in the court of law, and shall not be reproduced except in full, without the written approval of Laboratory.  
5. Total liability of our works is limited to the invoiced amount only.

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