

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 : TC573925000002932F Issued to : M/s S.S.B. ENGINEERS PVT. LTD.
 Issue Date : 30/01/2025 Customer : 133,M.I.A. ALWAR (RAJ.)-301001
 Job Order No. : 3079
 Sample Receipt Date : 29/01/2025 Sample Description : ROUND DIA 60.0mm
 H.NO.53400 GR.16MnCr5

Discipline / Group : CHEMICAL- METALS & ALLOYS

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Reference No.	2979
Date of Analysis	30-01-2025
Test Method	OES/JIS G1253:2013

Test Results	
Element	%
Carbon	0.173
Silicon	0.208
Manganese	1.242
Chromium	1.053
Nickel	0.013
Molybdenum	0.002
Vanadium	0.004
Copper	0.008
Aluminium	0.021
Sulphur	0.028
Phosphorus	0.014
Boron	0.0005
Titanium	0.004
Niobium	0.003

Specification for 16MnCr5	
Min %	Max %
0.13	0.18
0.15	0.40
1.00	1.30
0.80	1.10
.....	0.30
.....	0.10
.....
.....	0.30
0.020	0.050
0.015	0.030
.....	0.020
.....	0.0005
.....
.....

Statement of Conformity :- Sample conforms to Steel Grade 16MnCr5 (Specified by Customer) with respect to above test results only.

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 Checked By :

BHARTIYA ENTERPRISES
MILIND K. SHARMA-TM
 Authorised Signatory
 (QM/TM)

- 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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