

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 : TC573924000031059F Issued to : M/s S.S.B. ENGINEERS PVT. LTD.
Customer : 133,M.I.A. ALWAR (RAJ.)-301001

Issue Date : 04/10/2024

Job Order No : 31491

Sample Receipt Date : 03/10/2024

Sample Description : ROUND DIA 80mm
H.NO.50447 GR.16MnCr5

Discipline / Group : CHEMICAL- METALS & ALLOYS

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Reference No	31391
Date of Analysis	03-10-2024
Test Method	OES/JIS G1253.2013

Test Results

Element	%
Carbon	0.160
Silicon	0.229
Manganese	1.218
Chromium	1.072
Nickel	0.018
Molybdenum	0.003
Vanadium	0.003
Copper	0.007
Aluminium	0.029
Sulphur	0.028
Phosphorus	0.019
Boron	0.0004
Titanium	0.003
Niobium	0.002

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.

Nancy
Checked by :

[Signature]
11/10/24
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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