

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

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

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TC - 5739

**Test Report**

Report No.-ULR : TC573924000033908F Issued to : M/s S.S.B. ENGINEERS PVT. LTD.  
 Issue Date : 05/11/2024 Customer : 133,M.I.A. ALWAR (RAJ.)-301001  
 Job Order No. : 34264  
 Sample Receipt Date : 05/11/2024 Sample Description : ROUND DIA 60mm  
 H.NO.K194521 GR.16MnCr5

Discipline / Group : CHEMICAL- METALS &amp; ALLOYS

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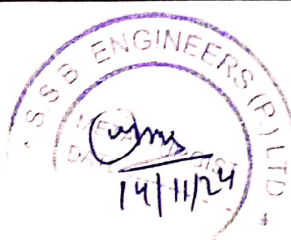
Reference No.	34164
Date of Analysis	05-11-2024
Test Method	OES/JIS G1253:2013

**Test Results**

Element	%
Carbon	0.175
Silicon	0.229
Manganese	1.254
Chromium	1.078
Nickel	0.020
Molybdenum	0.007
Vanadium	0.002
Copper	0.008
Aluminium	0.023
Sulphur	0.028
Phosphorus	0.016
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.

Checked by : *Nurey*

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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