



# MATERIAL TESTING LABORATORY

B-103, Okhla Industrial Area, Phase-I,  
New Delhi - 110020 India  
P : 011-41067022, 41084022  
E : care@mtlindialab.com, caremtllab@gmail.com  
W : www.mtlindialab.com

## TEST REPORT

Issued to: Alaska Automation pvt Ltd  
C - 112, 3<sup>rd</sup> floor,  
Shaheen Bagh, Okhla  
New Delhi - 110025

Report No: 2001214247/836  
Sample Description  
MS Piece

Date: 23/01/2020  
DOR: 21/01/2020

ID No -2001214247/ Page 1 of 1  
ULR-TC70082000000154P

### Chemical Composition:

S.No	Tests	Results
1.	Carbon, %	0.35
2.	Silicon, %	0.21
3.	Manganese, %	0.60
4.	Sulphur, %	0.012
5.	Phosphorus, %	0.016
6.	Nickel, %	0.007
7.	Chromium, %	0.096
8.	Molybdenum, %	0.009
9.	Copper, %	0.049
10.	Aluminium, %	0.034
11.	Iron, %	Remainder

### Mechanical tests:

S.No	Tests	Results
1.	Tensile Strength, MPa	595.7
2.	Yield Strength, MPa	433.1
3.	Elongation, %	29.2
4.	Bend test	Passes the test
5.	Hardness (HRB)	81 - 82

Test Method: IS:228 (pt-1/2/3/8/9)/ASTM E 350/IS:1608(pt-1)/IS:1586(pt-1)

  
Analyst

  
H.C. Joshi  
(Chief Executive)  
Authorized Signatory

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1. Sample not drawn by us. Sample description is as provided by the party.
2. The results listed refer only to the tested samples & applicable parameters.
3. The report cannot be used as evidence in a court of law without written permission of the laboratory.
4. The test report / certificate shall not be reproduced except in full, without written approval of the laboratory.

An ISO - 9001 : 2015 & OHSAS 18001-2007 certified laboratory