



# ADVAIT FASTENERS PVT. LTD.

PLOT NO. C-3/C-4/1/7/2, BESIDE MIDC,POLICE STATION, SHIROLI MIDC, KOLHAPUR,  
MAHARASHTRA- 416122, INDIA

Mob. No.: +91 98338 45004, Email: advaitfasteners@gmail.com www.advaitfasteners.com

Company Certified by TÜV SÜD South Asia Private Limited Certificate No.- 99 100 24724 , 99 104 01977 ,99 117 01411  
An ISO 9001-2015 , ISO14001 : 2015 , ISO45001 : 2018

## MATERIAL TEST CERTIFICATE

CERTIFICATION AS PER EN 10204 3.1

Customer : JC VALVULAS INDIA PVT LTD	Material : ASTM A193 GR B7 - 2025 ✓	T.C. No. : AFPL/QA/TC/5038/25-26
SO No. : AFPL/SAL/SWO/448/25-26 Date :23/12/2025	Bar Shape : ROUND BRIGHT Bar Size : 23.30 mm	TC Date : 16/04/2026
PO No. : JCCMP-2526-01849 ✓ Date :22/12/2025	Lot No. : E524 Heat No. : HT/275/25-26 ✓	Inv. No. : 34/26-27 ✓
CHEMICAL COMPOSITION %		Inv Date : 16/04/2026

Elements	C	Mn	P	S	Si	Cr	Mo
Req. Min :	0.380 ✓	0.750 ✓			0.150 ✓	0.800 ✓	0.150 ✓
Max :	0.480 ✓	1.000 ✓	0.035 ✓	0.040 ✓	0.350 ✓	1.100 ✓	0.250 ✓
Actual :	0.410 ✓	0.840 ✓	0.012 ✓	0.006 ✓	0.250 ✓	1.010 ✓	0.170 ✓

Mill Name : R.L.STEELS & ENERGY LTD	Mill TC No. : 24-6650	Mill Heat No.:2-JKQ-3	Mill TC Dt.: 20/03/2025
LAB Name : Sohm Analytical Services (I) Pvt Ltd	TC No. : KA33624		TC Dt. : 28/03/2026

HEAT TREATMENT (HF Cal Due Date: 06/03/2027 TF Cal Due Date: 06/03/2027)

HARDENING - HF 01 CHARGE NO-HFC 275	TEMPERING - TF 01 CHARGE NO-TFC 275
Temp Min°F : 1580°F	Temp Min°F : 1099°F ✓
Temp Recorded of : 1587°F	Temp Recorded of : 1117°F
Soaking Time (in Minutes): 60	Soaking Time (in Minutes): 120
Quenching Medium : Oil	Cooling Medium : Air ✓
Heat Treatment Chart No. : H-275/25-26	Heat Treatment Chart No. : T-275/25-26

### MECHANICAL PROPERTIES Test methods as per Std. ASTM A370

PROPERTIES	TENSILE STRENGTH Ksi	YEILD STRENGTH 0.2 % offset Ksi	% ELONGATION In 2inch OR 50mm	% REDUCTION AREA	HARDNESS HRC
Specified { Min :	125.00 ✓	105.00 ✓	16.00 ✓	50.00 ✓	
Max :					35.00 ✓
Actual Value :	129.73 ✓	108.47 ✓	20.85 ✓	56.11 ✓	HRC 26.00 28.00 ✓

Lab TC No. : AFPL/TE/990/25-26 Lab Name : Advait Fasteners Pvt Ltd Result : Satisfactory

Impact Test	Impact Test Specimen Temp -73C				AVG Value	LATERAL EXPANSION AT			
	Specified Value J	—	—	—		Value 1	Value 2	Value 3	Avg.Value
	Achieved Value J	—	—	—		—	—	—	—

TC No./Date/Name : Lab Name : Result :

Macro etch test as per A-E-381	SURFACE COATING PROCESS
Result : Satisfactory for C2 R2 S2 for Platel	HOT DIP GALVANIZING ✓


TC No./Date/Name : 24-6650 20/03/2025 OF R.L.STEELS & ENERGY LTD

### ITEM DETAILS

SRL	Item No. / Description	Length	DRG No. / Rev No.	Item Code	Quantity
1	4 STUD 1" 8 UNC ✓	90.000 mm ✓		X05-066-0916-243 ✓	12 ✓

We confirm that the material was manufactured,sampled,tested and inspected in accordance with drawing, material specification and PO requirements.

- Remarks :
- 1) Visual and dimensional inspection results found satisfactory.
  - 2) Reduction ratio based on the starting material diameter is minimum 4:1 ✓
  - 3) No welded performed at any stages.
  - 4) Sampling basis hardness testing is performed & found as per requirement
  - 5) Material is free from Radioactive contamination ✓
  - 6) Chemical, Mechanical, Hardness testing is carried out at room temp 25°C

Material Confirms To : ASTM A193 GR B7 - 2025	<b>Special Requirements</b> PMI : JC Valvulas India Pvt. Ltd. LPE : Chennai, Tamil Nadu, India UT : Verified & Accepted MPI :	<b>For ADVAIT FASTENERS PVT. LTD.</b>  Deepak G Quality Control Date :16/04/2026
MSS No. : JC-MDS-201/11 ✓		
Dimension As Per :		
Threads As Per : ,ASME B1.1 CL. 2A ✓		
Any Other Procedure : -		
Marking & MFG ID : "20E1" "275/25-26" "AF" "B7" ✓		

Format No. : AFPL/QAQC/FR-09 (REV.00)

Q.A. 



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		Inv Date : 16/04/2026

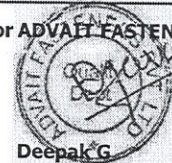
- MPS Number for : AFPL/MPS/001 Rev 00
  - ASTM A193 GR B7 is AFPL/MPS/001 Rev 00
- The above Fasteners comply to API 20E 2ND ED. Addenda-1 and Addenda-2 requirements (BSL-1). ✓
- Material conforms to NACE MR0175 / ISO 15156
- MPI test as per ASTM E-1444 carried out on 5% of quality and found satisfactory as per acceptance criteria defined in ASTM A962 S57.
- 100% Hardness checked out and found satisfactory.
- Material is free from radioactive contamination. ✓
- 100% visual inspection done and found free from burr, rust, cracks and dent damages.
- No weld repair is done. ✓
- Reduction ratio based on the starting material diameter is minimum 4:1 ✓
- No intentional addition of Boron.
- Declaration of Intentionally added elements.
- Grain size as ASTM E112 and acceptance 5 or finer.
- Sulfur content shall be 0.040% Max. and allowable phosphorus content shall be 0.035% Max.
- Residual boron shall not exceed 0.0005%.
- Threads are produced on rolling machine as per AFPL/PRD/CH-03
- According to Special Procedure No PS03/12 Rev 00, thickness required is min 53  $\mu$  & Observed Value is 55 to 60 $\mu$ . ✓
- According to Special Procedure No PS03/12 Rev 00, coating visually found satisfactory. Hence accepted. ✓

We confirm that the material was manufactured,sampled,tested and inspected in accordance with drawing, material specification and PO requirements.

Material Confirms To : ASTM A193 GR B7 - 2025

MDS No. : JC-MDS-201/11 ✓  
Dimension As Per :  
Threads As Per : ,ASME B1.1 CL. 2A ✓  
Any Other Procedure : -  
Marking & MFG ID : "20E1" "275/25-26" "AF" "B7" ✓

For ADVAIT FASTENERS PVT. LTD.



Deepak G  
Quality Control

Date : 16/04/2026

Format No. : AFPL/QAQC/FR-09 (REV.00)

JC Valvulas India Pvt. Ltd.

Chennai, Tamil Nadu, India  
Verified & Accepted

Q.A.