



Advait Fasteners Pvt. Ltd.

PLOT NO-C-3/C-4/7/1/2, BESIDE MIDC, POLICE STATION, SHIROLIMIDC, KOLHAPUR, MAHARASHTRA-416122, INDIA.
Mob No.:+91 9833845004 Email: advaitfasteners@gmail.com www.advaitfasteners.com

An ISO 9001: 2015
Company Certified By TUV
INDIA
Certificate No.-QM 03 02778

MATERIAL TEST CERTIFICATE

CERTIFICATION AS PER EN 10204 3.1

Customer : JC VALVULAS INDIA PVT. LTD.	Material : ASTM A194 GR 7M - 2024	T.C. No. : AFPL/QA/TC/4174/24-25
SO No. : AFPL/SAL/SWO/488/24-25	Date : 30/01/2025	Bar Shape : HEX BAR
PO No. : JCCMP-2425001834	Date : 30/01/2025	Bar Size : 10.00 mm
	Lot No. : E552	Heat No. : HT/216/24-25
		TC Date : 14/03/2025
		Inv. No. : 938/24-25
		Inv Date : 14/03/2025

CHEMICAL COMPOSITION %

Elements	C	Mn	P	S	Si	Cr	Ni	Mo	V
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 :	0.430	0.820	0.018	0.012	0.180	0.920	0.190	-	-

Mill Name : VIVAN STEELS PVT LTD
 LAB Name : Elca Quality Systems & Calibraton Pvt Ltd
 Mill TC No.: 3304/19-20 Mill Heat No.: 5.679
 TC No : A/24/824/K
 Mill TC Dt. : 22/02/2020
 TC Dt. : 28/04/2024

HEAT TREATMENT

HARDENING

Temp Min °F : —
 Recorded °F : 1587.2°F
 Soaking Time (in Minutes): 60
 Quenching Medium : Oil
 Heat Treatment Chart No. : H-216/24-25

TEMPERING

Temp Min °F : 1150°F
 Recorded °F : 1157°F
 Soaking Time (in Minutes): 120
 Quenching Medium : Air
 Heat Treatment Chart No. : T-216/24-25

MECHANICAL PROPERTIES Test methods as per Std. (ASTM A370)

PROPERTIES	PROOF LOAD	HARDNESS HRB/HRC/BHN	HARDNESS AFTER 24 hrs AT 540°C HRB/HRC/BHN
SPECIFIED {	Min : N.A.	HRB 84.000	HRB 84.000
	Max :	'99.000	
ACTUAL :	N.A.	HRB 96.000 98.000	HRB 92.000

TC No : AFPL/PL/612/24-25 Lab Name : ADVAIT FASTENERS PVT. LTD. Result : Satisfactory

Impact Test	IMPACT TEST SPECIMEN (Temp -73°C)				AVG VALUE	LATERAL EXPANSION AT			
	Specified Value (J)					Value-1	Value-1	Value-1	AVG Value
	Achieved Value (J)								
TC No :	Date					Lab Name :			
	Date					Lab Name :			
	Date					Lab Name :			

Macrotech test as per (ASTM-E-381) (IS 13015-1991)
 Result: Satisfactory - Better Than C-2, R-2 & S-2 for Plate - I
 TC No : 3304/19-20 Date: 22/02/2020 Lab Name : VIVAN STEELS PVT LTD Result : Satisfactory

SURFACE TREATMENT PROCESS
XYLAN COATED

ITEM DETAILS						
SRL	Item No	Material Description	Length	Drawing No	Item Code	Quantity
1	2	HEX NUT M6 1P			N934M67M	60

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

Remarks :
 1) Reduction ratio based on the starting material diameter is minimum 4:1
 2) No welded performed at any stages. 3) Visual and dimensional inspection results found satisfactory

Material Confirms To : ASTM A194 GR 7M API 20E BSL-1
 MSS No. : JC-MDS-212 Rev. 4

Dimension As Per :
 Threads As Per : ASME B1.1 CL. 2B
 Any Other Procedure :
 Marking & MFG ID :
 NDE Requirements : MPI as per standard E-709
 Type: 100% Magnetic Particle Inspection
 Result: Satisfactory as "NO Surface / Surface discontinues observed."
 Above material is confirm's to NACE Requirement
 NACE MR0175/ISO15156.



Deepak .G.
 Quality Control
 Date : 14/03/2025

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

JC Valvulas India Pvt. Ltd.
 Chennai, Tamil Nadu, India
 Verified & Accepted
 Q.A.



Advait Fasteners Pvt. Ltd.

PLOT NO-C-3/C-4/7/1/2, BESIDE MIDC, POLICE STATION, SHIROLIMIDC, KOLHAPUR, MAHARASHTRA-416122, INDIA.
Mob No.:+91 9833845004 Email: advaitfasteners@gmail.com www.advaitfasteners.com

An ISO 9001: 2015
Company Certified By TUV
INDIA
Certificate No.-QM 03 02778

MATERIAL TEST CERTIFICATE

CERTIFICATION AS PER EN 10204 3.1

Customer : JC VALVULAS INDIA PVT. LTD.		Material : ASTM A194 GR 7M - 2024	T.C. No. : AFPL/QA/TC/4174/24-25
SO No. : AFPL/SAL/SWO/488/24-25	Date : 30/01/2025	Bar Shape : HEX BAR	Bar Size : 10.00 mm
PO No. : JCCMP-2425001834	Date : 30/01/2025	Lot No. : E552	Heat No. : HT/216/24-25
			TC Date : 14/03/2025
			Inv. No. : 938/24-25
			Inv Date : 14/03/2025

1. MPS Number for : AFPL/MPS/09 Rev 01
- a) ASTM A194 Grade 7M is AFPL/MPS/09 Rev 01
2. The above Fasteners comply to API 20E 2ND ED. Addenda-1 and Addenda-2 requirements (BSL-1).
3. Material conforms to NACE MR0175 / ISO 15156
4. 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.
5. 100% Hardness checked out and found satisfactory.
6. Material is free from radioactive contamination.
7. 100% visual inspection done and found free from burr, rust, cracks and dent damages.
8. No weld repair is done.
9. Reduction ratio based on the starting material diameter is minimum 4:1
10. No intentional addition of Boron.
11. Declaration of Intentionally added elements.
12. Grain size as ASTM E112 and acceptance 5 or finer.
13. Sulfur content shall be 0.025% Max. and allowable phosphorus content shall be 0.025% Max.
14. Residual boron shall not exceed 0.0005%.
15. Threads are produced on Nut Tapping Machine as per work instruction AFPL/PRD/WI-09

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

Remarks :	1) Reduction ratio based on the starting material diameter is minimum 4:1 2) No welded performed at any stages. 3) Visual and dimensional inspection results found satisfactory
-----------	--

Material Confirms To : ASTM A194 GR 7M API 20E BSL-1 MSS No. : JC-MDS-212 Rev. 4	
---	--

Dimension As Per Threads As Per : ASME B1.1 CL. 2B Any Other Procedure : -- Marking & MFG ID : --	NDE Requirements : MPI as per standard E-709 Type: 100% Magnetic Particle Inspection Result: Satisfactory as "NO Surface / Surface discontinues observed." Above material is confirm's to NACE Requirement NACE MR0175/ISO15156.	 Deepak .G. Quality Control Date : 14/03/2025
--	--	--

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