



TOYO INDUSTRIES

(ISO 9001 - 2015 Certified Company)

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MATERIAL TEST CERTIFICATE

THE CERTIFICATE HAS BEEN PREPARED AS PER EN 10204:3.1

CUSTOMER NAME : M/s. Jc Valvulas India Pvt Ltd TC NO : TI/LAB/4323
 PURCHASE ORDER NO : JCCMP-2526-02488 DATE : 20.04.2026
 DATE : 17.03.2026 INV NO : TI -046/26-27
 JC MDS NO:JC-MDS-214-REV.7 DATE : 20.04.2026

INSPECTION AGENCY : MICROLAB

SL NO	ITEM	QTY (Nos)	MATERIAL SPEC	H.NO	MARKING
1	HEX NUT M6x1.0 CODE: N934M68M	136	ASTM SA194 GR.8M / 24	TI1988	8M T

CHEMICAL ANALYSIS

H.NO		C	Mn	P	S	Si	Cr	Ni	Mo
	REQUIRED	0.08 max	2 max	0.045 max	0.03 max	1 max	16.00-18.00	10.00-14.00	2.00-3.00
TI1988	ACTUAL	0.030	1.55	0.020	0.016	0.568	17.25	10.33	2.55

MECHANICAL TEST RESULTS

H.NO		Proof Load Stress, Kna	Hardness HRB
	REQUIRED	13.90	60 min
TI1988	ACTUAL	14.20	103 - 106

IDENTIFICATION MARK:-

1. ABOVE MATERIAL CONFORMS TO ASTM A194 GR.8M / 24

Carbide Solution Treated

Temp Min °C - 1040°C

Recorded °C - 1080°C

Soaking time (in minutes) : 60

Quanching medium : WATER

Remars:

1. Material is free from radioactive contamination,
2. 100% visual inspection carried out & found free from defects
3. Chemical, Machanical hardness testing carried out at room 25°C
4. Sampling basis' hardness testing is performed & found as per requirement
5. This Material confirm to NACE MRO175 / ISO 15156

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

FOR TOYO INDUSTRIES

R.PANDIYAN
MANAGER