

GSTIN : 33AAGFT3111R1Z1



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 Fabrica De Valvulas Spain. TC NO : TI/LAB/4334
PURCHASE ORDER NO : JCCMP-2526-02422 DATE : 24.04.2026
DATE : 06.03.2026 INV NO : TI -057/26-27
JC MDS NO:JC-MDS-214-REV.7 DATE : 24.04.2026
INSPECTION AGENCY : MICROLAB

SL NO	ITEM	QTY (Nos)	MATERIAL SPEC	H.NO	MARKING
1	NUT 1"-8UNC NUNCIT108M-023	16	ASTM SA194 GR.8M / 23	TI-3003	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
TI-3003	ACTUAL	0.030	1.55	0.020	0.016	0.655	17.01	10.74	2.35

MECHANICAL TEST RESULTS

H.NO		Proof Load Stress, (Lbf)A	Hardness HB
	REQUIRED	45 450	126 - 300
TI-3003	ACTUAL	48 300	284, 288, 280

IDENTIFICATION MARK:-

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

Carbide Solution Treated

Temp Min °C - 1040°C

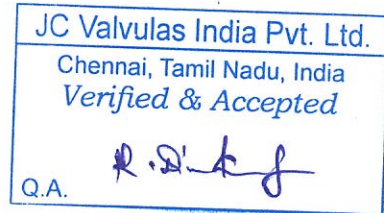
Recorded °C - 1080°C

Soaking time (in minutes) : 60

Quenching medium : WATER

Remarks:

1. Material is free from radioactive contamination,
2. 100% visual inspection carried out & found free from defects
3. Chemical, Mechanical 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
6. Raw material reduction Ratio shall be minimum 4:1



FOR TOYO INDUSTRIES

R.PANDIYAN
MANAGER QC

