

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 Valvulas India Pvt Ltd TC NO : TI/LAB/4330
PURCHASE ORDER NO : JCCMP-2526-02142 DATE : 24.04.2026
DATE : 28.01.2026 INV NO : TI -057/26-27
JC MDS NO: JC-MDS-202 REV.10 DATE : 24.04.2026
INSPECTION AGENCY : MICROLAB

DESCRIPTION

SL NO	ITEM	QTY (Nos)	MATERIAL SPEC	H.NO	MARKING
1	Stud Double end M6X1.0-62 CODE: S8001515B7MZ	12	ASTM A193 GR.B7M / 24	TI2434	B7M T

CHEMICAL ANALYSIS

H.NO		C	Mn	P	S	Si	Cr	M0	
	REQUIRED	0.38-0.48	0.75-1.00	0.035 max	0.040 max	0.15-0.35	0.80 - 1.10	0.15-0.25	-
TI2434	ACTUAL	0.418	0.856	0.020	0.022	0.285	0.985	0.215	-

MECHANICAL TEST RESULTS

H.NO		TENSILE STRENGTH MPa	YIELD STRENGTH min 0.2 % offset Mpa	% ELON G in 4D	% REDUCTION IN AREA Min	Toyo tested Hardness Max
	REQUIRED	690	550	18	50	235 HBW
TI2434	ACTUAL	765	666	38.0	60.0	220-228 HBW

IDENTIFICATION MARK:-

1. ABOVE MATERIAL AS CONFORMS TO ASTM A193 GR.B7M /24

Heat Treatment:-

Temp Min °F - 1150°F

Recorded °F - 1170°F

Soaking time (in minutes) : 120

Quanching medium : Air

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
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. Pandiyam

FOR TOYO INDUSTRIES

R.PANDIYAM
MANAGER QC

