



**SREE MAHALAKSHIMI INDUSTRIES**  
(ISO 9001:2015 CERTIFIED COMPANY)

**INSPECTION CERTIFICATE**  
(AS PER EN 10204 3.1)

CUSTOMER	JC VALVULAS INDIA PVT LTD	OUR T.C No.	SMI/GST/065/24-25/01
P.O. No.	JCCMP-2324002014 ✓	DATE	09.05.2024
PART NAME	STEM DN300 CL.600 ✓	OUR INV No.	GST/065/24-25 ✓
PART No.	XEP-300-2560N-06-357 ✓	MILL TC No.	041239
DRG No. & REV No.	XEP-300-2560N-06/4 ✓	HEAT No.	225045 ✓
		QTY (No's)	2 ✓

**MATERIAL SPECIFICATION : ASTM A182 GR.F6A CL.2 - 23 ✓**

**CHEMICAL PROPERTIES**

LABORATORY TEST REPORT NO:	TSPL/T/03/240302-10/C-5994-007					DATED:	06.03.2024
%	C	Si	Mn	P	S	Cr	
MIN	-	-	-	-	-	11.50 ✓	
MAX	0.15 ✓	1.00 ✓	1.00 ✓	0.04 ✓	0.030 ✓	13.50 ✓	
ACTUAL	0.120 ✓	0.39 ✓	0.52 ✓	0.027 ✓	0.028 ✓	11.57 ✓	

**MECHANICAL PROPERTIES**

LABORATORY TEST REPORT NO:	TSPL/T/03/240302-10/M-0094-007			DATED:	09.04.2024
PARAMETER%	MIN	MAX	ACTUAL		
TENSILE STRENGTH IN Mpa%	585 ✓	-	875 ✓		
YIELD STRENGTH IN Mpa 0.2% OFFSET	380 ✓	-	771 ✓		
ELONGATION IN GL OF 50mm%	18 ✓	-	18 ✓		
REDUCTION IN AREA %	35 ✓	-	59 ✓		
HARDNESS IN HBW	167 ✓	229 ✓	220 ✓		

**METALLURGICAL PROPERTIES**

I.G.C	E	NIL
IMPACT		NIL
MICRO		NIL
Others		NIL

**HEAT TREATMENT**  
 Report no:0677 Date:02.05.2024  
 Process Cycle Num: 24D 202-1, 24D 202-2,24D 202-4  
 1)NORMALIZED AT 1000°C/ 2 1/2 hrs SOAKING FAST AIR COOL ✓  
 2)1st TEMPERED AT 740°C/2 1/2hrs SOAKING AIR COOL ✓  
 3)2nd TEMPERED AT 680°C/2 1/2hrs SOAKING AIR COOL ✓

**REMARKS:**  
 1) We hereby certify that the items above have been tested and inspected in our presence in accordance with drawings and satisfy the requirements of "ASTM A182 GR.F6A CL.2 - 23 ✓ The results comply with product description.  
 2)Material confirms to NACE MR0175/ISO -15156-2020 and NACE MR0103/ISO-17945-2016.  
 3)Materials Free From Radioactive contamination.  
 4)Visual and Dimensional Found satisfactory as per drawing. ✓  
 5)No weld Repair performed.  
 6)Marking , Punch Identified As Desc., Heat No, F6A CL.2 & (M). ✓  
 7)Material is ultrasonically tested as per ASTM A388/388M & Found satisfactory  
 8)JC-MDS-357 REV.5 ✓

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

WE HEREBY CERTIFY THAT THE ITEMS MENTIONED ABOVE HAVE BEEN TESTED,INSPECTED & FOUND TO BE IN ACCORDANCE WITH THE SPECIFICATION REQUIREMENTS.

		For - SREE MAHALAKSHIMI INDUSTRIES

PREPARED BY :	THILAGA	APPROVED BY :	ELAIYARAJA G - QUALITY HEAD
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