



SREE MAHALAKSHIMI INDUSTRIES

(ISO 9001:2015 CERTIFIED COMPANY)

INSPECTION CERTIFICATE

(AS PER EN 10204 3.1)

CUSTOMER	JC VALVULAS INDIA PVT LTD., CHENNAI.	OUR T.C No.	SMI/GST/289/23-24/01
P.O. No.	JCCMP-2324000786	DATE	16-10-2023
PART NAME	STEM DN 150+VITON O-RING+BUSHING	OUR INV No.	GST/289/23-24
PART No.	EPF51150TJQ	MILL TC No.	TC140260
DRG No.	EPI150Q REV 1	HEAT No.	S-21962
DRG REV No.		QTY (No's)	30

MATERIAL SPECIFICATION : ASTM A182 Gr.F51

CHEMICAL PROPERTIES

LABORATORY TEST REPORT NO:	ML/47552/22-23						DATED:	07.03.2023	
%	C	Si	Mn	P	S	Cr	Ni	Mo	N
MIN	-	-	-	-	-	21.00	4.50	2.50	0.08
MAX	0.030	1.00	2.00	0.030	0.020	23.00	6.50	3.50	0.20
ACTUAL	0.014	0.279	1.475	0.018	0.001	22.78	4.58	3.088	0.163

MECHANICAL PROPERTIES

LABORATORY TEST REPORT NO:	ML/47552/22-23			DATED:	07.03.2023	
PARAMETER	MIN		MAX		ACTUAL	
TENSILE STRENGTH IN Mpa	620		-		702	
YIELD STRENGTH IN Mpa 0.2% OFFSET	450		-		555	
ELONGATION IN GL OF 50mm%	25		-		41.5	
REDUCTION IN AREA %	45		-		77	
HARDNESS	HBW	-	-	-	227	

METALLURGICAL PROPERTIES

I.G.C	A	NIL
IMPACT	NIL	
MICRO	NIL	
FERRITE	NIL	
HEAT TREATMENT	SOLUTION ANNEALED @ 1050 °C SOAKING FOR 1"/Hr & WATER QUENCHED	

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.F51 - 21 The results comply with product description.
- 2) Materials Free From Radioactive contamination.
- 3) Visual and Dimensional Found satisfactory as per drawing.
- 4) No weld Repair performed.
- 5) MARKING , PUNCH IDENTIFIED AS HEAT NO, F51 & (M).
- 6) Material is ultrasonically tested as per ASTM A388/388M & Found satisfactory
- 7) Material confirms to NACE MR0175/ISO -1516-2020 and NACE MR0103/ISO-17945-2016
- 8) MDS NO - JC-MDS-346 REV 3

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 :	KANNAN M	APPROVED BY :	THILAGA T
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