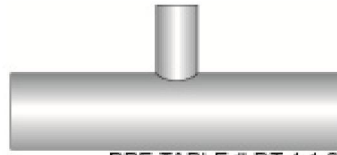


Material Test Certificate

Job\Certificate Number: 2002200558
Part Number: TE7RWWW6L3.0X2.0-PL
Part Description: RED.TEE WWW 3.0X2.0 20Ra
Material Specification: 316/316L
Standard: ASME BPE 2024 SF1
Date Of Certification: November 17, 2024



BPE TABLE # DT-4.1.2-6

Raw Material Specifications

Heat Number	Inspection Number	Raw Material & Size		Material Standards
		(mm)	(Inch)	
862766	6698834007	TUBE 50.8	2.0	ASME SA249-E17,ASTM A269-15a,A270-15(S2)
X54H	6724291001	TUBE 76.2	3.0	ASME SA249-23/ASTM A249-18a(23)/ASTM A269-22/ASTM- 270-23

Component Chemical Composition

Heat Number	%C	%CR	%MN	%MO	%N	%NI	%P	%S	%SI	%Cu
862766	0.019	16.700	1.440	2.040	0.060	10.200	0.026	0.0120	0.400	0.59
X54H	0.022	16.942	1.622	2.004	0.047	10.000	0.030	0.0119	0.246	0.391

Mechanical test

Heat Number	Yield 0.2		Yield 1.0		Tensile		Hardness (HRB)	Elongation (%)	Reduction (%)
	(N/mm ²)	(PSI)	(N/mm ²)	(PSI)	(N/mm ²)	(PSI)			
862766	318	46110	N/A	N/A	600	87000	85	58.00	N/A
X54H	335	48575	N/A	N/A	611	88595	83	51.00	N/A

Mechanical test (cont)

Heat Number	Eddy Current Test	Visual & Dimensional Test	Flaring Test	Flattening Test	Intergranular Corrosion Test	PMI - Material Identification Test
862766	OK	OK	OK	OK	OK	OK
X54H	OK	OK	OK	OK	OK	OK

Process Contact Surface - Final QC Inspection

ID - Roughness Test acc. to EN ISO 4287,ASME B46.1				Visual Test ASME BPE Part SF,MJ	Dimensional Test ASME BPE Part DT
Ra Average		Ra Max.			
[µm]	[µInch]	[µm]	[µInch]	ID - Inner Diameter	OK
0.22	9	0.34	14	OD - Outer Diameter	OK

MaxPure® brand fittings and tubing, manufactured by **EGMO LTD.**, are in accordance with the requirements of **ASME BPE** standard on Bioprocessing Equipment. EGMO Quality Management System (QMS) is authorized by the American Society of Mechanical Engineers (ASME) for the scope: Manufacture of Ferrous and Nonferrous Tubing (excluding circumferential welds) and Fittings, with the applicable rules of the ASME BPE Standard on Bioprocessing Equipment.

We certify that this information is a true representation of the data that has been furnished by our raw material suppliers.

Passivation process are acc. to qualified procedure: **SOP No.1.**
Electropolishing process are acc. to qualified procedure: **SOP No.2.**

Approved By:

Ronen Cohen
ASME BPE Certified Individual

