

INSPECTION CERTIFICATE

(Type 3.1 acc to EN 10204)

Certificate No.

C220106 - 6 / 9

Specification

ASTM A269-15a / A213-21b / ASME SA213-19

Grade

TP316/316L

Melting Process :

E.A.F.

Date

2022-01-06

V.O.D.

Customer

PAC Stainless

Strand Casting

Purchase Order No.

60926H

Manuf No	Heat No	Lot No	Size (Inch, Ft)	Item	* Chemical Composition (WT %)										
					C	Si	Mn	P	S	Ni	Cr	Mo	Cu	Ti	N
211228	N24340	CSECC21120851	OD 3/8" * 0.049" T * 20'	Spec	0.035	1.00	2.00	0.045	0.015	14.00	18.00	3.00			
				Result(L)	0.013	0.451	1.597	0.0292	0.0061	12.607	17.131	2.641	0.269	0.0030	0.0413
				Result(P)	0.013	0.441	1.629	0.0291	0.0066	12.619	17.219	2.649	0.269	0.0030	0.0443
Mechanical Properties	Yield Strength (ksi)	Tensile Strength (ksi)	Elongation (%)	Hardness Test (HRB)	Eddy Current Test	Visual & Dimensions	Flaring Test	Flattening Test	Surface Roughness (µinch)	* Remarks :					
Spec	≥ 30	≥ 75	≥ 35	≤ 80	no cracks	-	no cracks	no cracks	Ra ≤ 100	NACE MR0175 / MR0103 Wall Thickness : AW Seamless Tube					
Result	39.8	84.6	51.6	78.3	Good	Good	Good	Good	4-21						

It is hereby certified that the above results are true and correct in every details

Certification Status

- Pressure equipment Approval (AD2000-Merkblatt W0 and PED 2014/68/EU)
- Manufacturer Approval (DNV, GL, RMRS), Product Type Approval (ABS)
- System Approval : LATF16949:2016, ISO9001:2015, ISO14001:2015, ISO45001:2018
- Country of Origin : Republic of Korea
- Heat Treatment : 1,050°C for 10min(Rapidly Air Cooling)
- Surface Finish : Bright Annealed
- The country of melt and pour : The Republic of Korea

CTC

C T C

CLEAN TUBE & COIL

Manager of QC Team

A4(210x297)