

Manufacturer / Fabricante



Type of document / Tipo de documento

INSPECTION CERTIFICATE

CERTIFICADO DE INSPECCION
according to / de acuerdo con
EN 10204-3.1

Document number / 12/16/2021
Nº de certificado.

0000548411 /

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1 Steel Drive; P.O. Box 13000; Calvert, AL 36513-1300

PHOENIX TUBE COMPANY INC.
1185 WIN DRIVE
BETHLEHEM PA 18017
USA

Customer/Ship to / Cliente

PHOENIX TUBE COMPANY INC., BETHLEHEM

Customer's order number / Nº de Pedido Cliente .

41613-P

Manufacturer's works order no. / Nº de Pedido Manufactura .

901297744 / 001

Delivery note no. / Nº de Entrega .

85757248 / 010

Product / Producto

Stainless Steel Hot Rolled Coil/Bobina

Terms of delivery / Condiciones de entrega

ASTM A240/A240M-20a, ASME SA-240 Sec. II part A Ed.2021
ASTM A480/A480M-20a, ASME SA-480 Sec. II part A Ed.2019
ASTM A666-15
ASTM A276-17, A312-21, A479-21, A484-21b Chemical only
ASME SA312-19, SA479-21 for Chemical Composition
NACE MR0103 / ISO 17945: 2015
NACE MR0175 / ISO 15156-3: 2015

Steel Grade and Quality / Acero

TYPE 304L/304
UNS S30403
UNS S30400

Customer's material no./
Nº de material del cliente

WC304L11

Product dimensions (Thickness / Width / Length) /
Dimensiones (Espesor / Ancho / Largo)

2.64 mm x 1,219.20 mm
0.1040 inch x 48.0000 inch

Steelmaking procedure/
Proceso de manufact.

AOD

Finish/
Acabado

IIa / 1D / No.1

Packing-No./
Nº de Empaque

3399478

No. of pieces/
Piezas

1

Actual weight/
Peso actual

47,642 lb / 21,610 kg

Actual length/
Longitud actual

2,523 ft / 769 m

Coil-No./
Bobina No.

902451

Heat No./
Coleda

535835

Inspection lot/
Lote de inspeccion

1000770601

Inspection lot/
Lote de inspeccion

1000770602

Sum/ Suma

1

47,642 lb / 21,610 kg

Heat /
Coleda

535835

Country of Melt /
País de colada

USA

Chemical composition / Composición Química Chemical analysis per ASTM A751-14a

%C	%Si	%Mn	%P	%S	%Cr	%Mo	%Ni	%N	%Cu	%Nb
0.025	0.60	1.88	0.030	0.0120	18.08	0.33	8.04	0.058	0.50	0.006

Sample Position/
Localiz. de la muestra

TRANSVERSE Mechanical testing per ASTM A370-18

Inspection lot/
Lote de inspección

1000770601
1000770602

YS0.2%
PSI / MPa

42,059 / 290
42,639 / 294

TS
PSI / MPa

94,271 / 650
94,996 / 655

El. 2"
%

53
53

RoA
%

49
49

HRB

83
81

Dimensions-surface / Dimensiones-Superficie:

OK

Positive Material Identification (PMI) / Control de Identidad (análisis espectrográfico):

OK

Heat Treat: Solution anneal 1900°F/1040°C Min, Air and water quench

No welding or weld repairs were performed on this material

No intentional additions of Mercury compounds were made or used

Free of radioactive contamination

EU RoHS Directive 2011/65/EU Compliant

Country of Melt as per ISO 3166-1

Bending test per ASTM E290-14 OK

DFARS 225.872-1 Compliant

Stock 4724218 03/21/2022



SSTUBE RECT 2IN X 4IN 11GA 304SS
RECT TUBE 180 GRIT POLISH OD

Originator of the document / Originador del documento /

Outokumpu Stainless USA, LLC
An ISO 9001:2015 certified company
ISO 17025:2017 accredited testing lab by ANAB
EU PED 2014/68/EU, Annex I, 4.3 certified

Certificate is generated automatically /
Certificado es generado automáticamente

The information provided is a true copy of data on file /
Los valores mostrados corresponden a los datos archivados

Alejandro Carrillo Ramos

Name of expert / Nombre del experto

Date of issue and validation /
Fecha de emisión y validación

12/16/2021

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Test Report: 83727 Sales Order: 73810
Customer Order: P1349716 Heat No: 535835