

Manufacturer / Fabricante



Type of document / Tipo de documento

INSPECTION CERTIFICATE

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

Document number / 12/02/2021
Nº de certificado

0000546353 /

Page / Pagina:

1 / 1

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:

85755275 / 010

Product / Producto

Stainless Steel Hot Rolled Coil/Bobina

Steel Grade and Quality / Acero

TYPE 304L/304

UNS S30403

UNS S30400

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

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

Ita / 1D / No.1

Packing-No. /
Nº de Empaque

No. of pieces /
Piezas

Actual weight /
Peso actual

Actual length /
Longitud actual

Coil-No. /
Bobina No.

Heat No. /
Colada

Inspection lot /
Lote de inspección

Inspection lot /
Lote de inspección

3395642

1

45,636 lb / 20,700 kg

2,493 ft / 760 m

875917

534816

1000767118

1000767119

Sum / Suma

1

45,636 lb / 20,700 kg

Heat /
Colada

Country of Melt /
País de colada

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

%C	%Si	%Mn	%P	%S	%Cr	%Mo	%Ni	%N	%Cu	%Nb
0.026	0.54	1.76	0.032	0.0127	18.09	0.44	8.00	0.064	0.45	0.023

534816

USA

Sample Position /
Localiz. de la muestra

TRANSVERSE Mechanical testing per ASTM A370-18

Inspection lot /
Lote de inspección

YS0.2%
PSI / MPa

TS
PSI / MPa

El. 2"
%

RoA
%

HRB

1000767118

53,807 / 371

98,042 / 676

52

58

88

1000767119

43,510 / 300

96,011 / 662

54

54

83

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 02/14/2022



**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

12/02/2021

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Pack List: 81491 Sales Order: 603131
Customer Order: P1346766 Heat No: 534816