

A04 Manufacturer's mark



A01 Manufacturer's plant

Steel Mill SE  
Stahlstrasse 1  
Linz 4040, AT

A06 Purchaser

Steel Trading AG  
Handelsgasse 1  
Berlin 10115, DE

## Commercial transaction

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A02 Type of inspection document

Mill Certificate EN 10204 3.1

A03 Document number

1866645/001

A05 Originator of the document

Factory Production Control

A07 Purchaser order number

0334/2019/ZZS

A08 Manufacturer's work order number

958722

A09 Purchaser article number

TR-12456

A97 Order position

1

A98 Delivery number

DN-1583836

A99 Aviso number

AV-87682933

### Supplementary information

A10 Buyer Reference Number

BRN-1583836

A11 Buyer Reference Date

23/10/2018

## Production description

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B01 Product

Seamless Steel Tubes Hot Rolled

B02 Specification of the product

S355J2H, P355NH/TC1, E355+N

Steel designation

EN 10219-1:2006

Product norm

EN 10220

Mass norm

EN 10297-1:2003-06

Material norm

Ausführung lt. EN 10219 Teil 1+2 /--/

B03 Any supplementary requirements

normalized

B04 Delivery condition

SST 200x150x6

B06 Marking of the product

7282841

B07 Identification of the product

16

B08 Number of pieces

Rectangular tube

B09 Product dimensions

200 mm

Form

150 mm

Width

6.5 mm

Height

12000 mm

Wall thickness

1.5 mm

B10 Length

5738.3 kg

B11 Product mass

5739.3 kg

B12 Theoretical mass

B13 Actual mass

### Supplementary information

B99 B99

1607219/0001\_20181023\_1529

## Inspection

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C00 Batch number

Charge Chemical Analysis

### Chemical composition

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C70 Steelmaking process

Y

Symbol	C71	C72	C73	C74	C75	C76	C77	C78	C79
Unit	%	%	%	%	%	%	%	%	%
Actual	0.1500	0.0050	1.0000	0.0140	0.0070	0.0410	0.0200	0.0090	0.0020

## **Supplementary information**

C116 Sample Identifier

10001011/175508

## **Inspection**

C00 Batch number	Charge TensileTest
C02 Direction of the test piece	0001 längs
C03 Test temperature	-20 Celsius

### **Tensile test**

C11 Yield or proof strength Streckgrenze ReH/RP0,2	377.12 MPa
C12 Tensile strength Zugfestigkeit Rm	456.18 MPa
C13 Elongation after fracture Bruchdehnung A5/A80	29.7 %

### **Supplementary information**

C14 Re/Rm	0.83
C15 Sample Identifier	10001011/175508

## **Inspection**

C00 Batch number	Charge HardnessTest
C03 Test temperature	-20 Celsius

### **Hardness test**

C30 Method of test	Brunell		
C31 Individual values	71.3, 84.2, 85.2]		
C32 Mean value	80.3 J	min 78.5 J	max 90.6 J

## **Inspection**

C00 Batch number	Charge NotchedImpactTest
C03 Test temperature	-20 Celsius

### **Notched bar impact test**

C40 Type of test piece	0001 längs		
C41 Width of test piece	5 mm		
C42 Individual values	71.2, 84.2, 85.2]		
C43 Mean value	80.3 J	min 78.5 J	max 90.6 J

### **Supplementary information**

C44 Sample Identifier	10001011/175508
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## **Other tests**

D01 Marking, identification, surface appearance, shape and dimensional properties	Marking
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### **Nondestructive tests**

D02 Visual En 10219-1	100 %	Positive
D03 Non destructive test EN ISO 10893-2	100 %	Positive
D04 Dimensional Inspection EN 10219-2	1 Lot	Positive

### **Other product tests**

D51 Tensile flattening test	100 %	Positive
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## **Validation**

Z01 Statement of compliance	We hereby certify, that the material described above has been tested and complies with the	Z04
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terms of the order. This certificate  
has been created by a data  
processing system and does not  
contain a personal signature but  
the name and the official address  
of the appointet department.



Z02 Date of issue and validation

23/10/2018

Z03 Stamp of the inspection representative

John D. Keller  
Quality Manager

#### Supplementary information

Z05 Quality Department Tel.

+43 732 1000 8888

Z06 Quality Department Fax

+43 732 1000 8889

Z07 Quality Department Email

[quality@steelmill.se](mailto:quality@steelmill.se)

Z08 Ultra Green Steel

<https://www.steelmill.com/ultragreensteel>



Data schema maintained by [Material Identity](#)

<https://schemas.materialidentity.org/en10168-schemas/v0.5.0/schema.json>