

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
sbs.steeltrader@gmail.com

Commercial transaction

| | |
|--------------------------------------|-------------------------------|
| 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

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|----------------------------|-------------|
| A10 Buyer Reference Number | BRN-1583836 |
| A11 Reference Date | 10/23/2018 |

Production description

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|---------------------------------------|---------------------------------------|
| B01 Product | Seamless Steel Tubes Hot Rolled |
| B02 Specification of the product | |
| Steel designation | S355J2H, P355NH/TC1, E355+N |
| Product norm | EN 10219-1:2006 |
| Mass norm | EN 10220 |
| Material norm | EN 10297-1:2003-06 |
| B03 Any supplementary requirements | Ausführung lt. EN 10219 Teil 1+2 /--/ |
| B04 Delivery condition | normalized |
| B06 Marking of the product | SST 200x150x6 |
| B07 Identification of the product | 7282841 |
| B08 Number of pieces | 16 |
| B09 Product dimensions | |
| Form | Rectangular tube |
| Width | 200 mm |
| Height | 150 mm |
| Wall thickness | 6.5 mm |
| B10 Length Length | 12,000 mm |
| B11 Product mass Corner radius | 1.5 mm |
| B12 Theoretical mass Theoretical mass | 5,738.3 kg |
| B13 Actual mass Actual mass | 5,739.3 kg |

Supplementary information

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| B99 B99 | 1607219/0001_20181023_1529 |
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Inspection

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|---------------------------|-------|-------|-------|-------|-------|-------|--------------------------|-------|-------|------|-------|-------|--------|--------|--------|
| C00 Batch number | | | | | | | Charge Chemical Analysis | | | | | | | | |
| C70 Steelmaking process | | | | | | | Y | | | | | | | | |
| | C71 | C72 | C73 | C74 | C75 | C76 | C77 | C78 | C79 | C80 | C81 | C82 | C85 | C86 | C92 |
| Symbol | C | Si | Mn | P | S | Al | Cr | Ni | Mo | Cu | V | Ti | N | B | CEV |
| Actual [%] | 0.150 | 0.005 | 1.000 | 0.014 | 0.007 | 0.041 | 0.02 | 0.009 | 0.002 | 0.01 | 0.002 | 0.001 | 0.0047 | 0.0001 | 0.3227 |
| Supplementary information | | | | | | | | | | | | | | | |
| C110 Sample Identifier | | | | | | | 10001011/175508 | | | | | | | | |

Inspection

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|---|--------------------|
| 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

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|-----------------------|---------------------|------------|------------|
| 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 J | | |
| C32 Mean value | 80.3 J | min 78.5 J | max 90.6 J |

Inspection

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|-------------------------------|--------------------------|------------|------------|
| 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 Width | 5 mm | | |
| C42 Individual values | 71.2, 84.2, 85.2 J | | |
| C43 Mean value | 80.3 J | min 78.5 J | max 90.6 J |

Supplementary information

C44 Sample Identifier

10001011/175508

Other tests

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

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| 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

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|-----------------------------|-------|----------|
| D51 Tensile flattening test | 100 % | Positive |
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Validation

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| Z01 Statement of compliance | We hereby certify, that the material described above has been tested and complies with the 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. |  0780 19 0780-CPD-P012 |
| Z02 Date of issue and validation | 10/23/2018 | |
| Z03 Stamp of the inspection representative | Mr. Super Inspector | |

Supplementary information

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| Z05 Quality Department Tel. | +43 732 1000 8888 |
| Z06 Quality Department Fax | +43 732 1000 8889 |
| Z07 Quality Department Email | sbs.steelfactory@gmail.com |