

**CERTIFICATE**

A03/Z02

No. A/22-104368**Rev****00****Date**

2022-04-08

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A02/Z03

INSPECTION CERTIFICATE acc to
EN 10204 3.1

A06

PROCESSKONTROLL ITEMS AB
BOX 2088
444 02 STORA HÖGA
SWEDEN

INSPECTION STAMP

QA-TUBE

Customer References A07 762471 003-00991 ITEMS -W Customer order 2022-04-05		Sandvik References A08 Order No. Subs No. SMT Dispatch note 584521 709615 11690/54 SMT No. C.Code 300-42558 58																																																																																	
Material description B01/B04 SEAMLESS STAINLESS COLD FINISHED HYDRAULIC TUBING Metallurgical process Origin C70 Electric furnace Sweden		Steel/material Designations B02 Sandvik EN no 5R75 1.4571																																																																																	
Technical requirements B03 PED 2014/68/EU EN 10216-5 TC1 NACE MR0175/ISO 15156-3:-2015 HRB MAX 90																																																																																			
EXTENT OF DELIVERY B07-B13 <table><thead><tr><th>It</th><th>Product designation</th><th>Heat</th><th>Lot</th><th>Pieces</th><th>Kg</th><th>M</th></tr></thead><tbody><tr><td>01</td><td>THT-5R75-25-2 25.00 X 2.00</td><td>558766</td><td>26537</td><td>12</td><td>82.0</td><td>72.00</td></tr><tr><td colspan="4">Total</td><td>12</td><td>82.0</td><td>72.00</td></tr></tbody></table> TEST RESULTS Chemical composition (weight%) <table><thead><tr><th>Heat</th><th>C</th><th>Si</th><th>Mn</th><th>P</th><th>S</th><th>Cr</th><th>Ni</th><th>Mo</th></tr></thead><tbody><tr><td>558766</td><td>0.038</td><td>0.43</td><td>1.12</td><td>0.026</td><td>0.007</td><td>16.82</td><td>12.18</td><td>2.04</td></tr><tr><td></td><td>Ti</td><td>N</td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>558766</td><td>0.36</td><td>0.013</td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table> Tensile test at room temperature <table><thead><tr><th rowspan="2">Lot</th><th colspan="2">Yield strength</th><th>Tensile strength</th><th>Elongation</th></tr><tr><th>MPa</th><th>MPa</th><th>MPa</th><th>%</th></tr><tr><th></th><th>Rp0.2</th><th>Rp1.0</th><th>Rm</th><th>A</th></tr></thead><tbody><tr><td rowspan="2">26537</td><td>301</td><td>330</td><td>583</td><td>55</td></tr><tr><td>307</td><td>334</td><td>582</td><td>56</td></tr></tbody></table>				It	Product designation	Heat	Lot	Pieces	Kg	M	01	THT-5R75-25-2 25.00 X 2.00	558766	26537	12	82.0	72.00	Total				12	82.0	72.00	Heat	C	Si	Mn	P	S	Cr	Ni	Mo	558766	0.038	0.43	1.12	0.026	0.007	16.82	12.18	2.04		Ti	N							558766	0.36	0.013							Lot	Yield strength		Tensile strength	Elongation	MPa	MPa	MPa	%		Rp0.2	Rp1.0	Rm	A	26537	301	330	583	55	307	334	582	56
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Quality assurance - Sofia Åkesson / Q-Manager A05/Z02 MTC Service / Certificates																																																																																			

A01

AB SANDVIK MATERIALS TECHNOLOGY Reg No. 556234-6832 VAT No. SE556234683201
SE-81181 SANDVIKEN SWEDEN www.materials.sandvik mtc_service.smt@sandvik.com

**Hardness test**

	Min	Max
Lot	HRB	HRB
26537	78	82

Following controls/tests have been satisfactorily performed:

- Flaring test
- 100% PMI-test.
- Intergranular corrosion test acc. to EN ISO3651-2, Method A.
- Leak test: Eddy current test acc to EN ISO 10893-1
- Visual inspection and dimensional control.

Heat Treatment:

Solution annealed and quenched.

Marking:

SANDVIK 5R75 EN10216-5 TC1 EN 1.4571 CFA 25.00 X 2.00 MM HT 558766 SS LOT 2653
7 MADE IN SWEDEN *QA-TUBE*

The raw material is free from radioactive contamination.

Material free from mercury contamination.

No welding or weld repair.

Approved acc. AD 2000-Merkblatt W0 and certified acc. to
Pressure Equipment Directive (2014/68/EU, Annex 1 para 4.3) by
TUEV NORD; notified body, reg.no. 0045.

The number of tests are based on the size of the manufacturing lot
before cutting to finished lengths.

The delivered products comply with the specifications and
requirements of the order.

The material is manufactured according to a Quality system,
approved and registered to ISO 9001:2015.

No unauthorized alterations. The contents of this Inspection
Certificate may not be modified or revised in any way without the
prior written approval of Sandvik Materials Technology.
Unauthorized alterations to the Inspection Certificate, including
introduction of false, fictitious or fraudulent statements or entries,
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will be prosecuted to the fullest extent of applicable law.

The certificate is produced with EDP and valid without signature.

