

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 763102/HOLMGREN Customer order 2022-10-04 003-00991 ITEMS -W	Alleima References A08 Order No. Subs No. Dispatch note 590832 714614 21776/54 Suppl. No C.Code 300-47360 58																																																																												
Material description B01/B04 SEAMLESS STAINLESS COLD FINISHED HYDRAULIC TUBING Metallurgical process Origin c70 Electric furnace Chomutov	Steel/material Designations B02 Alleima 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																																																																													
<table border="0" style="width:100%;"> <tr> <td colspan="7">EXTENT OF DELIVERY B07-B13</td> </tr> <tr> <td style="text-align:left">It</td> <td style="text-align:left">Product designation</td> <td style="text-align:left">Heat</td> <td style="text-align:left">Lot</td> <td style="text-align:left">Pieces</td> <td style="text-align:left">Kg</td> <td style="text-align:left">M</td> </tr> <tr> <td></td> <td>01 THT-5R75-16-2 16.00 X 2.00</td> <td>041787</td> <td>94196</td> <td>34</td> <td>144.0</td> <td>204.00</td> </tr> <tr> <td colspan="4"></td> <td style="text-align:right">Total</td> <td>34</td> <td>144.0 204.00</td> </tr> </table> <table border="0" style="width:100%;"> <tr> <td colspan="2">KEY TO HEAT</td> <td colspan="2">KEY TO LOT</td> </tr> <tr> <td>Heat Code</td> <td>Heat No.</td> <td>Lot Code</td> <td>Lot No.</td> </tr> <tr> <td>041787</td> <td>563316</td> <td>94196</td> <td>2041064-11</td> </tr> </table> TEST RESULTS Chemical composition (weight%) <table border="0" style="width:100%;"> <tr> <td>Heat</td> <td>C</td> <td>Si</td> <td>Mn</td> <td>P</td> <td>S</td> <td>Cr</td> <td>Ni</td> <td>Mo</td> </tr> <tr> <td>041787</td> <td>0.034</td> <td>0.39</td> <td>1.16</td> <td>0.026</td> <td>0.009</td> <td>16.66</td> <td>12.15</td> <td>2.01</td> </tr> <tr> <td></td> <td>Ti</td> <td>N</td> <td colspan="6"></td> </tr> <tr> <td>041787</td> <td>0.38</td> <td>0.013</td> <td colspan="6"></td> </tr> </table>		EXTENT OF DELIVERY B07-B13							It	Product designation	Heat	Lot	Pieces	Kg	M		01 THT-5R75-16-2 16.00 X 2.00	041787	94196	34	144.0	204.00					Total	34	144.0 204.00	KEY TO HEAT		KEY TO LOT		Heat Code	Heat No.	Lot Code	Lot No.	041787	563316	94196	2041064-11	Heat	C	Si	Mn	P	S	Cr	Ni	Mo	041787	0.034	0.39	1.16	0.026	0.009	16.66	12.15	2.01		Ti	N							041787	0.38	0.013						
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Quality assurance - Sofia Åkesson / Q-Manager A05/Z02 MTC Service / Certificates																																																																													



Tensile test at room temperature

Lot	Yield strength		Tensile strength	Elongation
	MPa	MPa	MPa	%
	Rp0.2	Rp1.0	Rm	A
94196	266	304	598	54

Hardness test

Lot	Min	Max
	HRB	HRB
94196	78	78

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 EN10305-1 WNR 1.4571 EN 1.4571 CFA 16.00 X 2.00 MM
HT 563316 SZ LOT 2041064-11 MADE BY SANDVIK IN CZECHIA *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 Alleima.

Unauthorized alterations to the Inspection Certificate, including introduction of false, fictitious or fraudulent statements or entries, may be punishable by fines, imprisonment, or both. This Inspection Certificate may be copied only in the manner and for the purposes specified in Section 6 of EN 10204:2004. Contravention of this notice will be prosecuted to the fullest extent of applicable law.

The certificate is produced with EDP and valid without signature.



Alleima, formerly Sandvik Materials Technology. During a brand transition period, both Sandvik and Alleima marking on products may exist.

TEST RESULTS TRANSFERRED FROM CERTIFICATE NO C-2880/10

