

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

<p><b>Customer References</b> <span style="float:right">A07</span> 763153  Customer order 2022-10-18  003-00991 ITEMS -W</p>	<p><b>Alleima References</b> <span style="float:right">A08</span> Order No. Subs No. Dispatch note 591315 714987 22672/54 Suppl. No C.Code 300-47688 05</p>																																																									
<p><b>Material description</b> <span style="float:right">B01/B04</span> SEAMLESS STAINLESS COLD FINISHED INSTRUMENTATION TUBING          <b>Metallurgical process</b> <span style="float:right">C70</span> Electric furnace</p>	<p><b>Steel/material Designations</b> <span style="float:right">B02</span> <b>Alleima</b> UNS 2RK65 N08904 <b>EN no</b> 1.4539</p>																																																									
<p><b>Technical requirements</b> <span style="float:right">B03</span> ASTM A-269-15A, ASTM A-213-19 PED 2014/68/EU EN 10216-5 TC1 NACE MR0175/ISO 15156-3:-2015</p>																																																										
<p><b>EXTENT OF DELIVERY</b> <span style="float:right">B07-B13</span></p> <table border="1"> <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-2RK65-6.35-0.89 6.35 X .89 22501</td> <td>042665</td> <td>95164</td> <td>30</td> <td>22.0</td> <td>180.00</td> </tr> <tr> <td colspan="4"></td> <td>Total</td> <td>30</td> <td>22.0 180.00</td> </tr> </tbody> </table> <p><b>KEY TO HEAT</b> Heat Code Heat No. 042665 563889</p> <p><b>KEY TO LOT</b> Lot Code Lot No. 95164 2051153-11</p> <p><b>TEST RESULTS</b> <b>Chemical composition (weight%)</b></p> <table border="1"> <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>042665</td> <td>0.006</td> <td>0.40</td> <td>1.79</td> <td>0.020</td> <td>&lt;0.0005</td> <td>20.30</td> <td>24.84</td> <td>4.22</td> </tr> <tr> <td></td> <th>Cu</th> <th>N</th> <td colspan="6"></td> </tr> <tr> <td>042665</td> <td>1.41</td> <td>0.058</td> <td colspan="6"></td> </tr> </tbody> </table>		It	Product designation	Heat	Lot	Pieces	Kg	M	01	THT-2RK65-6.35-0.89 6.35 X .89 22501	042665	95164	30	22.0	180.00					Total	30	22.0 180.00	Heat	C	Si	Mn	P	S	Cr	Ni	Mo	042665	0.006	0.40	1.79	0.020	<0.0005	20.30	24.84	4.22		Cu	N							042665	1.41	0.058						
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<p style="text-align:center"><b>Quality assurance - Sofia Åkesson / Q-Manager</b> <span style="float:right">A05/Z02</span> MTC Service / Certificates</p>																																																										



**Chemical composition, product (weight%)**

Lot	C	Si	Mn	P	S	Cr	Ni	Mo
95164	0.009	0.37	1.81	0.020	<0.001	20.27	24.03	4.28
	Cu	N						
95164	1.39	0.048						

**Tensile test at room temperature**

Lot	Yield strength		Tensile strength	Elongation	
	MPa	MPa	MPa	%	%
	Rp0.2	Rp1.0	Rm	A	2"
95164	267	332	611	54	43

**Hardness test**

Lot	Min	Max
	HRB	HRB
95164	75	75
	75	75

**Following controls/tests have been satisfactorily performed:**

- Flattening test.
- Flaring test
- 100% PMI-test.
- Intergranular corrosion test acc to ASTM A-262 PR.E
- Leak test: Eddy current test acc to ASTM A-1016.
- Visual inspection and dimensional control.

**Heat Treatment:**

Solution annealed and quenched.

**Marking:**

SANDVIK 2RK65 ASTM/ASME A/SA213 A269 COLD EN 10216-5 TC1 AW UNS N08904 EN 1.45 39 CFA SML 6.35 X 0.89 MM 1/4'' X 20 BWG/SWG HT 563889 SZ LOT 2051153-11 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-3305/40

