

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 763602 Customer order 2023-02-02 003-00991 ITEMS -W	Alleima References A08 Order No. Subs No. Dispatch note 594982 717740 28276/54 Suppl. No C.Code 300-51262 05																																																																	
Material description B01/B04 SEAMLESS STAINLESS COLD FINISHED INSTRUMENTATION TUBING Metallurgical process C70 Electric furnace	Steel/material Designations B02 Alleima UNS 2RK65 N08904 EN no 1.4539																																																																	
Technical requirements B03 ASTM A-269-15A, ASTM A-213-19 PED 2014/68/EU EN 10216-5 TC1 NACE MR0175/ISO 15156-3:-2015																																																																		
EXTENT OF DELIVERY B07-B13 <table border="1" style="width: 100%; border-collapse: collapse;"> <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>02</td> <td>THT-2RK65-6.35-0.89 6.35 X .89 22501</td> <td>042663</td> <td>95161</td> <td>30</td> <td>22.0</td> <td>180.00</td> </tr> <tr> <td colspan="4"></td> <td style="text-align: right;">Total</td> <td>30</td> <td>22.0 180.00</td> </tr> </tbody> </table> KEY TO HEAT <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Heat Code</th> <th>Heat No.</th> </tr> </thead> <tbody> <tr> <td>042663</td> <td>563889</td> </tr> </tbody> </table> KEY TO LOT <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Lot Code</th> <th>Lot No.</th> </tr> </thead> <tbody> <tr> <td>95161</td> <td>2051146-11</td> </tr> </tbody> </table> TEST RESULTS Chemical composition (weight%) <table border="1" style="width: 100%; border-collapse: collapse;"> <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>042663</td> <td>0.006</td> <td>0.40</td> <td>1.79</td> <td>0.020</td> <td><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>042663</td> <td>1.41</td> <td>0.058</td> <td colspan="6"></td> </tr> </tbody> </table>		It	Product designation	Heat	Lot	Pieces	Kg	M	02	THT-2RK65-6.35-0.89 6.35 X .89 22501	042663	95161	30	22.0	180.00					Total	30	22.0 180.00	Heat Code	Heat No.	042663	563889	Lot Code	Lot No.	95161	2051146-11	Heat	C	Si	Mn	P	S	Cr	Ni	Mo	042663	0.006	0.40	1.79	0.020	<0.0005	20.30	24.84	4.22		Cu	N							042663	1.41	0.058						
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Quality assurance - Sofia Åkesson / Q-Manager A05/Z02 MTC Service / Certificates																																																																		



Chemical composition, product (weight%)

Lot	C	Si	Mn	P	S	Cr	Ni	Mo
95161	0.009	0.37	1.83	0.019	<0.001	20.27	24.03	4.28
	Cu	N						
95161	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"
95161	377	404	674	58	46

Hardness test

Lot	Min	Max
	HRB	HRB
95161	72	72
	74	74

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 2051146-11 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.

TEST RESULTS TRANSFERRED FROM CERTIFICATE NO C-3305/40

