

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 763149 Customer order 2022-10-17 003-00991 ITEMS -W	Alleima References A08 Order No. Subs No. Dispatch note 591268 714958 25251/54 Suppl. No C.Code 300-47667 16																																																																											
Material description B01/B04 SEAMLESS STAINLESS COLD FINISHED INSTRUMENTATION TUBING Metallurgical process Origin c70 Electric furnace Germany	Steel/material Designations B02 Alleima UNS SANICRO 625 N06625																																																																											
Technical requirements B03 ASTM B-444-18, ASME SB-444-ED-17, ASTM B-829 NACE MR0175/ISO 15156-3:-2015 GRADE 2																																																																												
EXTENT OF DELIVERY B07-B13 <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align:left">It</th> <th style="text-align:left">Product designation</th> <th style="text-align:left">Heat</th> <th style="text-align:left">Lot</th> <th style="text-align:left">Pieces</th> <th style="text-align:left">Kg</th> <th style="text-align:left">M</th> </tr> </thead> <tbody> <tr> <td>08</td> <td>THT-SAN60-9.53-1.24 9.53 X 1.24 23684</td> <td>049256</td> <td>96763</td> <td>1</td> <td>2.0</td> <td>6.00</td> </tr> <tr> <td colspan="4"></td> <td style="text-align:right">Total</td> <td>1</td> <td>2.0 6.00</td> </tr> </tbody> </table> <table style="width:100%; border-collapse: collapse;"> <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>049256</td> <td>830992</td> <td>96763</td> <td>0002036726</td> </tr> </table> TEST RESULTS Chemical composition (weight%) <table style="width:100%; border-collapse: collapse;"> <tr> <td>Heat</td> <td colspan="2">Nb+Ta</td> </tr> <tr> <td>049256</td> <td colspan="2">3.243</td> </tr> </table> <table style="width:100%; border-collapse: collapse;"> <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>049256</td> <td>0.020</td> <td>0.12</td> <td>0.12</td> <td>0.008</td> <td><0.0005</td> <td>21.24</td> <td>62.22</td> <td>8.24</td> </tr> <tr> <td></td> <td>Co</td> <td>Ti</td> <td>Al</td> <td>Fe</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>049256</td> <td>0.043</td> <td>0.11</td> <td>0.18</td> <td>4.38</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		It	Product designation	Heat	Lot	Pieces	Kg	M	08	THT-SAN60-9.53-1.24 9.53 X 1.24 23684	049256	96763	1	2.0	6.00					Total	1	2.0 6.00	KEY TO HEAT		KEY TO LOT		Heat Code	Heat No.	Lot Code	Lot No.	049256	830992	96763	0002036726	Heat	Nb+Ta		049256	3.243		Heat	C	Si	Mn	P	S	Cr	Ni	Mo	049256	0.020	0.12	0.12	0.008	<0.0005	21.24	62.22	8.24		Co	Ti	Al	Fe					049256	0.043	0.11	0.18	4.38				
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Quality assurance - Sofia Åkesson / Q-Manager A05/Z02 MTC Service / Certificates																																																																												



Chemical composition, product (weight%)

535 ~ NB+TA

Heat	C	Si	Mn	P	S	Cr	Ni	Mo
049256	0.020	0.12	0.12	0.009	<0.0005	21.24	62.29	8.23
	Co	Ti	Al	Fe	535			
049256	0.041	0.12	0.20	4.36	3.253			

Tensile test at room temperature

Lot	Yield strength	Tensile strength	Elongation
	Mpa	Mpa	%
96763	Rp0.2 431	Rm 786	2" 51

Hardness test

Lot	HRB
96763	88
	88

Corrosion test in delivery condition

According to ASTM G-28A, for 120 hours.

Specimen weight loss

Lot	mm/y
96763	0.33

Following controls/tests have been satisfactorily performed:

- Flattening test.
- Flaring test
- 100% PMI-test.
- Leak test: Eddy current test acc to ASTM B-829.
- Visual inspection and dimensional control.

Heat Treatment:

Solution annealed and quenched.

The raw material is free from radioactive contamination.

Material free from mercury contamination.

No welding or weld repair.

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 0002036726

