

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>Customer References A07</p> <p>763395</p> <p style="text-align: right;">Customer order 2022-12-15</p> <p>003-00991 ITEMS -W</p>	<p>Alleima References A08</p> <table border="1" style="width: 100%;"> <tr> <th>Order No.</th> <th>Subs No.</th> <th>Dispatch note</th> </tr> <tr> <td>593448</td> <td>716564</td> <td>25818/54</td> </tr> <tr> <th>Suppl. No</th> <th>C.Code</th> <td></td> </tr> <tr> <td>300-49177</td> <td>05</td> <td></td> </tr> </table>	Order No.	Subs No.	Dispatch note	593448	716564	25818/54	Suppl. No	C.Code		300-49177	05	
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<p>Material description B01/B04</p> <p>SEAMLESS STAINLESS COLD FINISHED INSTRUMENTATION TUBING</p> <p>Metallurgical process C70</p> <p>Electric furnace</p>	<p>Steel/material Designations B02</p> <table border="1" style="width: 100%;"> <tr> <th>Alleima</th> <th>UNS</th> </tr> <tr> <td>2RK65</td> <td>N08904</td> </tr> <tr> <th>EN no</th> <td></td> </tr> <tr> <td>1.4539</td> <td></td> </tr> </table>	Alleima	UNS	2RK65	N08904	EN no		1.4539					
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<p>Technical requirements B03</p> <p>ASTM A-269-15A, ASTM A-213-19 PED 2014/68/EU EN 10216-5 TC1 NACE MR0175/ISO 15156-3:-2015</p>
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EXTENT OF DELIVERY B07-B13									
It	Product designation	Heat	Lot	Pieces	Kg	M			
01	THT-2RK65-6.35-0.89 6.35 X .89	042663	95161	30	22.0	180.00			
				Total	30	22.0 180.00			
KEY TO HEAT			KEY TO LOT						
Heat Code	Heat No.		Lot Code	Lot No.					
042663	563889		95161	2051146-11					
TEST RESULTS									
Chemical composition (weight%)									
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							

<p>Quality assurance - Sofia Åkesson / Q-Manager</p> <p>MTC Service / Certificates</p>	<p>A05/Z02</p>
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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.

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

