



CERTIFICATE

A03/Z02

No. A/22-103251

Rev

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Date

2022-04-01

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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 761699/Holmgren 003-00991 ITEMS -W	Sandvik References A08 <table border="0"> <tr> <td>Order No.</td> <td>Subs No.</td> <td>SMT Dispatch note</td> </tr> <tr> <td>576489</td> <td>702873</td> <td>11175/54</td> </tr> <tr> <td>SMT No.</td> <td>C.Code</td> <td></td> </tr> <tr> <td>300-36347</td> <td>05</td> <td></td> </tr> </table>	Order No.	Subs No.	SMT Dispatch note	576489	702873	11175/54	SMT No.	C.Code		300-36347	05	
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576489	702873	11175/54											
SMT No.	C.Code												
300-36347	05												

Material description B01/B04 SEAMLESS STAINLESS COLD FINISHED INSTRUMENTATION TUBING Metallurgical process C70 Electric furnace	Steel/material Designations B02 <table border="0"> <tr> <td>Sandvik</td> <td>UNS</td> </tr> <tr> <td>2RK65</td> <td>N08904</td> </tr> <tr> <td>EN no</td> <td></td> </tr> <tr> <td>1.4539</td> <td></td> </tr> </table>	Sandvik	UNS	2RK65	N08904	EN no		1.4539	
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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								
It	Product designation	Heat	Lot	Pieces	Kg	M		
01	THT-2RK65-6.35-0.89 6.35 X .89	042664	95163	15	11.0	90.00		
				Total	15	11.0 90.00		
KEY TO HEAT			KEY TO LOT					
Heat Code	Heat No.			Lot Code	Lot No.			
042664	563889			95163	2053045-11			
TEST RESULTS								
Chemical composition (weight%)								
Heat	C	Si	Mn	P	S	Cr	Ni	Mo
042664	0.006	0.40	1.79	0.020	<0.0005	20.30	24.84	4.22
	Cu	N						
042664	1.41	0.058						

Quality assurance - Sofia Åkesson / Q-Manager MTC Service / Certificates	A05/Z02
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**Chemical composition, product (weight%)**

Lot	C	Si	Mn	P	S	Cr	Ni	Mo
95163	0.009	0.37	1.81	0.020	<0.001	20.27	24.03	4.28
	Cu	N						
95163	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"
95163	249	325	612	56	42

Hardness test

Lot	Min	Max
	HRB	HRB
95163	70	70
	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 2053045-11 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.





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The certificate is produced with EDP and valid without signature.

TEST RESULTS TRANSFERRED FROM CERTIFICATE NO C-3305/40

