



CERTIFICATE

A03/Z02

No. A/20-911891

Rev

00

Date

2020-09-22

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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

<p>Customer References A07</p> <p>Roger/PK Customer order</p> <p style="text-align: right;">2020-09-18</p> <p>003-00991 ITEMS</p>	<p>Sandvik References A08</p> <table border="0"> <tr> <td>Order No.</td> <td>Subs No.</td> <td>ABSMT Dispatch note</td> </tr> <tr> <td>559497</td> <td>688857</td> <td>25000/54</td> </tr> <tr> <td>ABSMT No.</td> <td>C.Code</td> <td></td> </tr> <tr> <td>300-23965</td> <td>05</td> <td></td> </tr> </table>	Order No.	Subs No.	ABSMT Dispatch note	559497	688857	25000/54	ABSMT No.	C.Code		300-23965	05	
Order No.	Subs No.	ABSMT Dispatch note											
559497	688857	25000/54											
ABSMT No.	C.Code												
300-23965	05												

<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="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	
Sandvik	UNS								
2RK65	N08904								
EN no									
1.4539									

<p>Technical requirements</p> <p>ASTM A-269-15A, ASTM A-213-18 PED 2014/68/EU EN 10216-5 TC1 NACE MR0175/ISO 15156-3:-2015</p>	B03
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EXTENT OF DELIVERY							B07-B13	
It	Product designation	Heat	Lot	Pieces	Kg	M		
02	THT-2RK65-6.35-0.89 6.35 X .89	548896	47572	35	26.0	210.00		
				Total	35	26.0	210.00	
TEST RESULTS								
Chemical composition (weight%)								
Heat	C	Si	Mn	P	S	Cr	Ni	Mo
548896	0.015	0.38	1.58	0.023	0.0008	20.25	24.84	4.20
	Cu	N						
548896	1.62	0.057						
Chemical composition, product (weight%)								
Lot	C	Si	Mn	P	S	Cr	Ni	Mo
47572	0.014	0.38	1.60	0.023	0.0008	20.22	24.93	4.20
	Cu	N						
47572	1.61	0.059						

<p>Quality assurance - Sofia Åkesson / Q-Manager</p> <p>MTC Service / Certificates</p>	A05/Z02
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A01

AB SANDVIK MATERIALS TECHNOLOGY Reg No. 556234-6832 VAT No. SE556234683201
SE-81181 SANDVIKEN SWEDEN www.materials.sandvik mtc_service.smt@sandvik.com



Tensile test at room temperature

Lot	Yield strength		Tensile strength	Elongation	
	MPa	MPa	MPa	%	%
	Rp0.2	Rp1.0	Rm	A	4D
47572	350	383	635	48	44
	348	379	631	45	44

Hardness test

Lot	Min	Max
	HRB	HRB
47572	72	72
	72	73

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 A213/A269 COLD EN10216-5 TC1 AW UNS N08904 EN 1.4539 CFA SM
L NDE 6.35 X 0.89 MM 1/4'' X 20 BWG/SWG HT 548896 SS LOT 47572 MADE IN SWEDEN
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 AB Sandvik Materials Technology.
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.

