

**CERTIFICATE**

A03/Z02

No. A/20-881910**Rev****00****Date**

2020-03-19

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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 759334 Customer order 2020-03-18 003-00991 ITEMS	Sandvik References A08 Order No. Subs No. ABSMT Dispatch note 551512 682475 15472/54 ABSMT No. C.Code 300-18324 05
Material description B01/B04 SEAMLESS STAINLESS COLD FINISHED INSTRUMENTATION TUBING Metallurgical process C70 Electric furnace	Steel/material Designations B02 Sandvik UNS 2RK65 N08904 EN no 1.4539

Technical requirements B03 ASTM A-269-15A, ASTM A-213-18 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	548896	47572	4	3.0	24.00		
Total				4	3.0	24.00		
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						

Quality assurance - Sofia Åkesson / Q-Manager MTC Service / Certificates	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.

