

**CERTIFICATE**

A03/Z02

No. A/20-915938**Rev****00****Date**

2020-10-12

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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 760132 Customer order 2020-10-12 003-00991 ITEMS	Sandvik References A08 Order No. Subs No. ABSMT Dispatch note 560558 689737 26260/54 ABSMT No. C.Code 300-24724 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-213-19 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-2RK65-12.7-1.24 12.70 X 1.24	559262	30127	55	119.0	330.00		
Total				55	119.0	330.00		
TEST RESULTS								
Chemical composition (weight%)								
Heat	C	Si	Mn	P	S	Cr	Ni	Mo
559262	0.004	0.40	1.62	0.022	<0.0005	20.15	24.90	4.22
	Cu	N						
559262	1.38	0.058						
Chemical composition, product (weight%)								
Lot	C	Si	Mn	P	S	Cr	Ni	Mo
30127	0.004	0.41	1.63	0.023	0.0007	20.12	25.01	4.24
	Cu	N						
30127	1.38	0.058						

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	2"
30127	292	331	609	42	41
	296	332	615	43	41

Hardness test

Lot	Min	Max
	HRB	HRB
30127	77	78
	75	75

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 12.70 X 1.24 MM 1/2'' X 18 BWG/SWG HT 559262 SS LOT 30127 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.

