



CERTIFICATE

A03/Z02
No. A/19-827484 Rev 00
Date 2019-06-07 Page 1/3

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	Sandvik References	A08
757997	Customer order 2019-06-03	Order No. Subs No. ABSMT Dispatch note 537382 670986 46915/54	
003-00991 ITEMS		ABSMT No. C.Code 300-97402 05	

Material description	B01/B04	Steel/material Designations	B02
SEAMLESS STAINLESS COLD FINISHED INSTRUMENTATION TUBING		Sandvik UNS 2RK65 N08904 EN no 1.4539	
Steel making process Electric furnace	C70		

Technical requirements	B03
ASTM A-269-15A, ASTM A-213-18B 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		
02	THT-2RK65-12.7-1.24 12.70 X 1.24	550033	58210	50	108.0	300.00		
				Total	50	108.0	300.00	
TEST RESULTS								
Chemical composition (weight%)								
Heat	C	Si	Mn	P	S	Cr	Ni	Mo
550033	0.012	0.42	1.61	0.022	0.0008	20.19	24.94	4.23
	Cu	N						
550033	1.49	0.057						
Chemical composition, product (weight%)								
Lot	C	Si	Mn	P	S	Cr	Ni	Mo
58210	0.012	0.42	1.60	0.023	<0.001	20.10	24.90	4.24
	Cu	N						
58210	1.49	0.052						

Quality assurance - Sofia Åkesson / Q-Manager	A05/Z02
MTC Service / Certificates	

**Tensile test at room temperature**

Lot	Yield strength		Tensile strength	Elongation	
	MPa	MPa	MPa	%	%
	Rp0.2	Rp1.0	Rm	A	2"
58210	327	358	626	42	41
	323	356	628	41	40

Hardness test

Lot	Min	Max
	HRB	HRB
58210	75	77
	76	76

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 550033 SS LOT 58210 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.

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The certificate is produced with EDP and valid without signature.