



CERTIFICATE

A03/Z02

No. A/22-110904

Rev

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Date

2022-05-24

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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 762668 Customer order 2022-05-24 003-00991 ITEMS -W	Sandvik References A08 Order No. Subs No. SMT Dispatch note 586537 711231 14540/54 SMT No. C.Code 300-44112 05
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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
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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	042698	95219	33	71.0	198.00
				Total	33	71.0 198.00
KEY TO HEAT			KEY TO LOT			
Heat Code	Heat No.			Lot Code	Lot No.	
042698	563073			95219	2051060-11	
TEST RESULTS						
Chemical composition (weight%)						
Heat	C	Si	Mn	P	S	Cr Ni Mo
042698	0.010	0.40	1.61	0.021	<0.0005	20.35 25.02 4.16
	Cu	N				
042698	1.32	0.060				

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

Heat	C	Si	Mn	P	S	Cr	Ni	Mo
042698	0.010	0.39	1.60	0.021	<0.001	20.33	24.97	4.15
	Cu	N						
042698	1.31	0.058						

Tensile test at room temperature

Lot	Yield strength		Tensile strength	Elongation	
	MPa	MPa	MPa	%	%
	Rp0.2	Rp1.0	Rm	A	2"
95219	277	305	614	50	47
	278	306	616	50	47

Hardness test

Lot	Min	Max
	HRB	HRB
95219	75	75
	73	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/ASME A/SA213 A269 COLD EN 10216-5 TC1 AW UNS N08904 EN 1.45
39 CFA SML 12.70 X 1.24 MM 1/2" X 18 BWG/SWG HT 563073 SZ LOT 2051060-11 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-3356/20

