

**CERTIFICATE****No. A/16-599511****Rev 00****Date 2016-08-29****Page 1/2**INSPECTION CERTIFICATE acc to
EN 10204 3.1Processkontroll Items AB
Box 2088
444 02 STORA HÖGA
SWEDENINSPECTION STAMP
QA-TUBE

Customer References		Sandvik References	
753772	Customer order 2016-08-29	Order No. 451961	Subs No. 615486
003-00991	ITEMS	ABSMT No. 300-51271	Dispatch note 27435/54
		C.Code 13	

Material description	Steel/material Designations
SEAMLESS STAINLESS COLD FINISHED INSTRUMENTATION TUBING	Sandvik UNS 2RK65 N08904
Steel making process Electric furnace	

Technical requirements
ASTM A-269-15A

EXTENT OF DELIVERY								
It	Product designation	Heat	Lot	Pieces	Kg	M		
01	THT-2RK65-12.7-1.24 12.70 X 1.24	545526	57548	13	28.0	78.00		
				Total	13	28.0	78.00	
TEST RESULTS								
Chemical composition (weight%)								
Heat	C	Si	Mn	P	S	Cr	Ni	Mo
545526	0.014	0.42	1.64	0.022	<0.0005	20.40	24.91	4.18
	Cu	N						
545526	1.39	0.060						
Chemical composition, product (weight%)								
Heat	C	Si	Mn	P	S	Cr	Ni	Mo
545526	0.014	0.42	1.64	0.024	<0.001	20.39	25.01	4.15
	Cu	N						
545526	1.39	0.050						
Quality assurance - Lars-Åke Bergqvist / QA-manager								
MTC Service / Certificates								

**Tensile test at room temperature**

	Yield strength	Tensile strength	Elongation
	MPa	MPa	%
Lot	Rp0.2	Rm	2"
57548	295	617	44
	293	614	46

Hardness test

	Min	Max
Lot	HRB	HRB
57548	74	76

Following controls/tests have been satisfactorily performed:

- Flaring test
- PMI-test.
- Leak test: Eddy current test acc to ASTM A-1016.
- Visual inspection and dimensional control.

Heat Treatment:

Solution annealed and quenched.

The raw material is free from radioactive contamination.

Material free from mercury contamination.

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 9001:2008.

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