

INSPECTION CERTIFICATE acc to Processkontroll Items AB EN 10 204 3.1

Box 2088 444 02 STORA HÖGA SWEDEN

INSPECTION STAMP QA-TUBE

Customer References	Customer order 2011-03-03	Sandvik I Order No 235322 ABSMT No 300-39559	. Subs 10311 . C.Coo	No. ABSM 18 4254	IT Dispatc 9/54	h note		
003-00991 ITEMS								
Material description SEAMLESS STAINLESS COLD HYDRAULIC TUBING	FINISHED	Steel/mat Sandvik 3R60	terial 1	Designati SS 235				
Steel making process Electric furnace								
Technical requirements SS 219713 Condition No -24								
EXTENT OF DELIVERY								
It Product designa 02 THT-3R60-16-2 16.00 X 2.00		t Lot 744 96261		-				
		Total	100	424.0	600.	00		
KEY TO HEAT				KEY TO L				
Heat Code Heat No. 047744 527210				Lot Code 96261	Lot No. 4849877	/1-2		
TEST RESULTS Chemical composition (we Heat C Si 047744 0.019 0.38 N 047744 0.039	Mn	P 0.030	s 0.008	Cr 17.21	Ni 13.10	Mo 2.52		
Quality assurance - Ulrik Rodling / QA-manager Tube & Pipe MTC Service / Certificates								

CERTIFICATE



Tensile test at room temperature								
	Yield	strength	Tensile stre	ngth Elongation				
	MPa	MPa	MPa	8				
Lot	Rp0.2	Rp1.0	Rm	A				
96261	267	305	587	55				
	267	304	590	54				
	265	301	587	55				
	263	295	587	52				

Following controls/tests have been satisfactorily performed:

- Flattening test.

- PMI-test.

- Intergranular corrosion test acc. to EN ISO3651-2, Method A.

- Leak test: Eddy current test acc to SS 114301/114305 E1

- Visual inspection and dimensional control.

Heat Treatment:

Solution annealed and quenched.

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.

The certificate is produced with EDP and valid without signature.

TEST RESULTS TRANSFERRED FROM CERTIFICATE NO A110655