

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 712803 003-00991 ITEMS	Customer order 2013-05-13	Sandvik Red Order No. 331555 ABSMT No. 300-85677	Subs No. 549910 C.Code	ABSMT Dis 48503/54	spatch note
Material description SEAMLESS STAINLESS COLD HYDRAULIC TUBING	Steel/material DesignationsSandvikSS3R602353				
Steel making process Electric furnace					
Technical requirements SS 219713					
Condition No -24					
EXTENT OF DELIVERY					
It Product designa 01 THT-3R60-12-1.5 12.00 X 1.50		t Lot P: 940 57208	ieces 45 i	Kg 108.0	M 270.00
TEST RESULTS Chemical composition (we	eight%)	Total	45 3	108.0	270.00
HeatCSi5349400.0190.42	Mn 1.62	P S 0.028 0.0	C 009 17.3	r Ni 33 13.1	
N 534940 0.043					
Tensile test at room temperature					
Yield stre MPa MPa	-	ensile stre	ngth Elo %	ongation	
Lot Rp0.2 Rp1		iPa m	ہ A		
57208 276 316		69	55		
<pre>Following controls/tests have been satisfactorily performed: - Flattening test PMI-test Intergranular corrosion test acc. to EN ISO3651-2, Method A.</pre>					
Quality assurance – Per Eriksson / QA-manager MTC Service / Certificates					
AB SANDVIK MATERIALS TECHNOLOGY Reg No. 556234-6832 VAT No. SE663000-060901					

SE-81181 SANDVIKEN SWEDEN www.smt.sandvik.com mtc_service.smt@sandvik.com

CERTIFICATE



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

The certificate is produced with EDP and valid without signature.