

INSPECTION CERTIFICATE acc to EN 10 204 3.1

Processkontroll Items AB Box 2088 444 02 STORA HÖGA SWEDEN

INSPECTION STAMP QA-TUBE

Customer References	Sandvik References				
	Customer	Order No.	Subs No.	ABSMT Di	spatch note
709009	order	209118	182477	14189/54	
	2010-08-18	ABSMT No.	C.Code		
		300-27321			
003-00991 ITEMS		500 27521	10		
Material description Steel/material Designations					
SEAMLESS STAINLESS COLD	FINISHED	Sandvik		SS	
HYDRAULIC TUBING		3R60		2353	
		5100		2000	
Steel making process					
Electric furnace					
Technical requirements					
SS 219713					
Condition No -24					
EXTENT OF DELIVERY					
It Product designa	tion Hea	t Lot P	ieces	Kg	М
01 THT-3R60-12-1.5	047	464 94005		24.0	60.00
12.00 X 1.50					
		Total	10	24.0	60.00
KEY TO HEAT		10041		TO LOT	00.00
				Code Lo	t No
Heat Code Heat No. 047464 523828					45794/1-1
047404 523828			940	105 40	45/94/1-1
TEST RESULTS					
Chemical composition (we	ight%)				
Heat C Si	Mn	P S		lr N	
047464 0.016 0.43	1.67	0.029 0.	007 17.	19 13.	03 2.52
N					
047464 0.034					
Tensile test at room tem	perature				
Yield stre		ensile stre	ength El	ongation	
MPa MPa		Pa	9 9	-	
Lot Rp0.2 Rp1		m	А	-	
94005 237 273		50	57	7	
241 278		54	58		
271 270	5	JI	50	,	

Quality assurance - Per Eriksson/ QA-manager Tube & Pipe 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



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 A100617