

INSPECTION CERTIFICATE acc to EN 10204 3.1

Processkontroll Items AB Box 2088 444 02 STORA H@GA SWEDEN

INSPECTION STAMP QA-TUBE

Customer Refer	rences		Sa	andvik R	leferen	ces		
		Customer		rder No.			SMT Dispat	ch note
754104		order		60121			L89/54	
/54104							109/54	
		2016-11-	15 AI	BSMT No.	C.Co	de		
			3	00-54883	46			
003-00991 IT	EMS							
	GMB							
				_	•	-	-	
Material desc				teel/mat	erial	Designat	cions	
SEAMLESS STAIN	NLESS COLD	FINISHED	Sa	andvik		SS	5	
HYDRAULIC TUBING			31	3R60 2353				
Steel making p								
Electric furna	ace							
Technical requ	11 romenta		L					
SS 219713	TT CIIGHUS							
	.							
Condition No ·	-24							
EXTENT OF DEL								
	uct designa		Heat		Pieces	-		M
01 THT-3R60-8-1.5 048				0 59865	20	28	.0 120	.00
8.00 2	x 1.50							
				Total	20	20	.0 120	0.0
				IUCAI	20	20	.0 120	.00
KEY TO HEAT								
Heat Code	Heat No.							
048260	544607							
TEST RESULTS								
Chemical compo	osition (we	eight%)						
Heat C	Si	Mn	Р		S	Cr	Ni	Mo
048260 0.01		1.55	0	031 0	0110	17.25	13.11	2.53
	0.50	1.00	0.	001 0	.0110	17.20	10.11	2.55
N	-							
048260 0.038	3							
Tensile test a	at room ten	perature						
			Tor	ensile strength Elong			tion	
				sile sul			gation	
	MPa MPa		MPa			8		
Lot	Rp0.2 Rp1	0	Rm			A		
59865	306 356	5	572			50		
		-						
Quality as	ssurance -	Lars-Åke	Bergq	vist / Q	A-mana	ger		

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 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. No unauthorized alterations. The contents of this Inspection Certificate may not be modified or revised in any way without the prior written approval of AB Sandvik Materials Technology. Unauthorized alterations to the Inspection Certificate, including introduction of false, fictitious or fraudulent statements or entries, may be punishable by fines, imprisonment, or both. This Inspection Certificate may be copied only in the manner and for the purposes specified in Section 6 of EN 10204:2004. Contravention of this notice will be prosecuted to the fullest extent of applicable law.

The certificate is produced with EDP and valid without signature.