

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					Dispatch n	ote	
751114		order	38645	2	580622	34528/5	54		
		2014-10-3	0 ABSMT	No.	C.Code				
			300-2	1216	46				
003-00991 IT	EMS								
Material desc	ription		Steel	/mater	ial Desi	gnations	3		
SEAMLESS STAI	NLESS COLD	FINISHED	Sandv	ik		SS			
HYDRAULIC TUBING			3R60			2353			
Steel making									
Electric furn									
ELECTIC LUIN	ace								
Technical req	uirements								
Condition No	0.4								
Condition No	-24								
EXTENT OF DEL									
	uct designa				eces	Kg	M		
01 THT-3		0	48039 323	250	10	11.0	60.00		
8.00	X 1.00								
				_					
			Tot	tal	10	11.0	60.00		
KEY TO HEAT									
Heat Code	Heat No.								
048039	538505								
TEST RESULTS									
Chemical comp	osition (we	ight%)							
Heat C	Si	Mn	Р	S	C	!r	Ni	Mo	
048039 0.02	0 0.41	1.71	0.031	0.0	080 17.	20 13		.54	
N									
048039 0.03	9								
	-								
Tensile test	at room tem	perature							
	Yield stre		Tensile	stron	ath Fl	ongation	<b>-</b>		
	MPa MPa		MPa	SCIEN	gen Br		-		
Lot	Rp0.2 Rp1		Rm.		A				
32250	312 345		<b>KIII</b> 567		<b>A</b> 54				
	514 545		507		54	1			
0		Tana 31 5		/ 07					
I Quality a	ssurance -	Lars-Ake B	ergqvist	/ <u>Q</u> A-	manager				

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

MTC Service / Certificates

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. TEST RESULTS TRANSFERRED FROM CERTIFICATE NO 2014/821