

A02/203 INSPECTION CERTIFICATE acc to EN 10204 3.1 A05 Processkontroll Items AB Box 2088 444 02 STORA HÖGA

INSPECTION STAMP QA-TUBE

Customer References 753574	A07 Customer order 2016-06-23	Sandvik Re Order No. 445901 ABSMT No. 300-48747	Subs No. 612459 C.Code	ABSMT Dispatch note 27883/54	A08
003-00991 ITEMS					
Material description SEAMLESS STAINLESS COLD FINISH HYDRAULIC TUBING	B01/B04	Steel/mater Sandvik 3R60	rial Designa	ations ss 2353	B02
Steel making process ^{C70} Electric furnace					
Technical requirements SS 219713 Condition No -24					B03
EXTENT OF DELIVERY					B07-B13
It Product designation 01 THT-3R60-12-1.5 12.00 X 1.50	Heat Lo 048259 58		Кд 5.0	M 12.00	
	Тс	otal 2	5.0	12.00	
KEY TO HEATHeat CodeHeat No.048259544655					
TEST RESULTS Chemical composition (weight%) Heat C Si Mr 048259 0.019 0.41 1.5 N 048259 0.036	L P	s 0.0100	Cr 17.19	Ni Mo 13.10 2.53	
Tensile test at room temperatu Yield strength MPa MPa Lot Rp0.2 Rp1.0 58618 295 333		e strength	Elongati % A 53	on	
Quality assurance - Lars-Å MTC Se	ke Bergqvist rvice / Cert		ger		A05/202

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

- 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

Following controls/tests have been satisfactorily performed:

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.