

## CERTIFICATE

A02/203

INSPECTION CERTIFICATE acc to EN 10204 3.1

INSPECTION STAMP QA-TUBE A06 Processkontroll Items AB Box 2088 444 02 STORA HÖGA SWEDEN

Customer References A07					Sandvik References				
756761/H	61/Holmgren		01	ustomer <sup>.</sup> der 018-08-20	er 520941 18-08-20 ABSMT No.		ABSMT Dispatch note 27122/54		
003-0099	91 ITE	MS			300-85136	5 19			
Material description B01/B04 SEAMLESS STAINLESS COLD FINISHED PIPE					Steel/mate Sandvik SAF 2205				
	<b>king proce</b> s : furnace	<b>SS</b> C70							
B03B03ASTM A-790-17, ASME SA-790-ED-17NACE MR0103/ISO 17945:2015NACE MR0103/ISO 17945:2015ASTM G-48A									
EVTENT O	E DELTUER	17							B07-B13
EXTENT OF DELIVERY It Product designation Heat L 01 TST-SAF2205-1/2-SCH40 549223 3 21.34 X 2.77					ot Piece: 9120 22		M 136.02		
TEST RES	ULTS			Т	otal 22	165.0	136	.02	
Chemical Heat	composit C	ion (wei Si		D	c	<b>6</b>		W.	
549223	0.015 N	0.53	Mn 0.77	<b>P</b> 0.021	<b>s</b> <0.0005	<b>Cr</b> 22.20	Ni 5.18	<b>Мо</b> 3.26	
549223	0.164								
Tensile	test at r								
	Yield strength MPa			Tensile strengt MPa		%			
<b>Lot</b> 39120	<b>Rp0</b> .2		Rm		2"				
39120	629 629			848 845		32 39			
Quality assurance – Sofia Åkesson / Q-Manager MTC Service / Certificates									A05/Z02
						832 VAT No. SE6			

A01 SE-81181 SANDVIKEN SWEDEN www.smt.sandvik.com mtc\_service.smt@sandvik.com



Hardness test Min Max Lot HRC HRC 39120 23 25 Corrosion test according to ASTM G-48A, 25°C for 24 hours. In delivery condition. No pitting corrosion found at 20x enlargement. Specimen weight loss Lot q/m239120 0.50 0.25 Ferrite acc to ASTM E-562 Lot % 39120 48.8 45.8 Following controls/tests have been satisfactorily performed: - Flattening test. - 100% PMI-test. - Leak test: Eddy current test acc to ASTM Pr.E309 with drilled hole as reference standard in lieu of hydrostatic test. - Visual inspection and dimensional control. Heat Treatment: Solution annealed and guenched. 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 9001:2015. 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.