

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	r	Order No.	Subs	No. ABSM	IT Dispatcl	n note
708671	order		196854	1731	29 0694	12/54	
	2010-05-	-11	ABSMT No.				
	2020 00		300-22112				
003-00991 ITEMS			500 22112	10			
003-00991 IIEMS	•						
Natamial degenin							
Material description SEAMLESS STAINLESS COLD FINISHED			Steel/material Designations				
			Sandvik SS				
HYDRAULIC TUBING			3R60 2353				
Steel making pro	00000						
Electric furnace							
Teabricel meaning	amanta						
Technical requir	ements						
Condition No -24							
EXTENT OF DELIVE				_			
It Product designation Heat Lot Pieces Kg							
01 THT-3R60		0473	375 93430	45	66.0	270.0	00
8.00 X 1	.50						
			Total	45	66.0) 270.0	00
KEY TO HEAT			KEY TO LOT				
Heat Code H	leat No.				Lot Code	Lot No.	
	23476				93430		
TEST RESULTS							
Chemical composi	tion (moight%)						
Heat C	Si Mn		D	~	(Tro	NT-	No
		~		s .007	Cr	Ni	Mo 2.52
047375 0.020	0.39 1.69	Ľ	0.034 0	.007	17.22	13.10	2.52
N							
047375 0.049							
	room temperature						
Yi	eld strength	Te	ensile str	ength	Elongat	ion	
MP	a MPa	ME	Pa		8		
Lot Rp	0.2 Rp1.0	Rn	a		А		
93430 31		62			52		
30		61			55		
29		60			52		
	, 520	00	, ,		52		
	range - Don Enil-	3907	01	or Tub	a & Dinc		
Quality assurance - Per Eriksson/ QA-manager Tube & Pipe MTC Service / Certificates							
	MTC Serv	-					C 0 0 0 1

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 00038884