

INSPECTION CERTIFICATE acc to EN 10 204 3.1

Processkontroll Items AB Box 2088 444 02 STORA HÖGA SWEDEN

INSPECTION STAMP QA-TUBE

Cuptomer	Reference				ndvik Re					_	
711154 003-0099	01 ITEMS		Custome: order 2012-02	-28   283	der No. 1601 SMT No. 0-61119	52145 C.Cod	3 1	ABSMT L6035/	_	atch :	note
Material	descripti	lon		Ste	eel/mate	erial D	esigi	natior	າຮ		
	S STAINLESS		INISHED	Sai 3R EN	ndvik		-	AISI TP304		04L	
	<b>king proce</b> furnace	255									
	)175/ISO 15 23/EC EN 10										
EXTENT C	DF DELIVERY Product of TST-3R12-1 21.34 X 2.	r lesignat 1/2-SCH4	ion		<b>Lot H</b> 35072	Pieces		<b>Kg</b> 7.0		<b>M</b> 5.98	
EXTENT C	<b>PF DELIVERY</b> <b>Product d</b> TST-3R12-1	r lesignat 1/2-SCH4	ion		35072	1		7.0		5.98	
EXTENT C It 02 TEST RES	DF DELIVERY Product of TST-3R12-1 21.34 X 2.	<b>designat</b> 1/2-SCH4 77	<b>ion</b> 0			1		-			
EXTENT C It 02 TEST RES Chemical Heat	DF DELIVERY Product of TST-3R12-1 21.34 X 2.	designat 1/2-SCH4 77 ion (weig Si	ion ) ght%) Mn	530793 <b>P</b>	35072 Total	1	Cr	7.0	<b>Ni</b> L0.07	5.98	
EXTENT C It 02 TEST RES Chemical Heat 530793	DF DELIVERY Product of TST-3R12-1 21.34 X 2. SULTS compositi C 0.007	designat 1/2-SCH4 77 ion (weig 5i 0.38	<b>ion</b> 0 <b>ght%)</b> <u>Mn</u> 1.14	530793 <b>P</b> 0.02	35072 Total	1 1 3	Cr	7.0		5.98	N
EXTENT C It 02 TEST RES Chemical Heat 530793 Chemical	DF DELIVERY Product of TST-3R12-1 21.34 X 2. SULTS C compositi	<pre>// lesignat. /2-SCH4 .77 </pre>	ion ) ght%) Mn 1.14 duct (we Mn	530793 P 0.02 eight%) P	35072 Total 24 0.	1 1 007	Cr	7.0 7.0 3		5.98	N

Quality assurance - Per Eriksson / QA-manager 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



## Hardness test

	Min	Max
Lot	HRB	HRB
35072	80	84

## Following controls/tests have been satisfactorily performed:

- Flattening test.
- Ring expansion test
- PMI-test.
- Intergranular corrosion test acc to ASTM A-262 PR.E
- Leak test: Eddy current test acc to EN 10246-2 and ASTM Pr.E426
- with drilled hole as reference standard in lieu of hydrostatic test.
- Visual inspection and dimensional control.

## Heat Treatment:

Solution annealed and quenched.

The raw material is free from radioactive contamination.

Material free from mercury contamination.

Approved acc. AD 2000-Merkblatt W0 and certified acc. to Pressure Equipment Directive (97/23/EC) by TUEV NORD; notified body, reg.no. 0045.

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.