

A02/Z03

INSPECTION CERTIFICATE acc to
EN 10204 3.1

A06

PROCESSKONTROLL ITEMS AB
BOX 2088
444 02 STORA HÖGA
SWEDEN

INSPECTION STAMP

QA-TUBE

Customer References A07 763149 Customer order 2022-10-17 003-00991 ITEMS -W	Alleima References A08 <table style="width: 100%;"> <tr> <td>Order No.</td> <td>Subs No.</td> <td>Dispatch note</td> </tr> <tr> <td>591268</td> <td>714958</td> <td>24244/54</td> </tr> <tr> <td>Suppl. No</td> <td>C.Code</td> <td></td> </tr> <tr> <td>300-47667</td> <td>21</td> <td></td> </tr> </table>	Order No.	Subs No.	Dispatch note	591268	714958	24244/54	Suppl. No	C.Code		300-47667	21																																																																								
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Material description B01/B04 SEAMLESS STAINLESS COLD FINISHED Metallurgical process C70 Electric furnace+AOD	Steel/material Designations B02 <table style="width: 100%;"> <tr> <td>Alleima</td> <td>UNS</td> </tr> <tr> <td>254 SMO</td> <td>S31254</td> </tr> <tr> <td>EN no</td> <td></td> </tr> <tr> <td>1.4547</td> <td></td> </tr> </table>	Alleima	UNS	254 SMO	S31254	EN no		1.4547																																																																												
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Technical requirements B03 ASTM A-213-19 AW, ASME SA-213-ED-19 AW, ASTM A-269-15A NACE MR0175/ISO 15156-3:-2015, PED 2014/68/EU EN 10216-5 TC1 NORSOK M-630:2020, NORSOK MDS R18 REV.6 HRB MAX 90																																																																																				
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Quality assurance - Sofia Åkesson / Q-Manager MTC Service / Certificates																																																																																				



Chemical composition, product (weight%)

Lot	C	Si	Mn	P	S	Cr	Ni	Mo
95885	0.016	0.43	0.48	0.018	0.002	20.25	17.57	6.05
	Cu	N						
95885	0.53	0.217						

Tensile test at room temperature

Lot	Yield strength		Tensile strength	Elongation	
	MPa	MPa	MPa	%	%
	Rp0.2	Rp1.0	Rm	A	2"
95885	371	416	756	55	53
	381	414	760	57	52

Hardness test

Lot	HRB
95885	84
	83

Corrosion test according to ASTM G-48A, 50°C for 24 hours.

In delivery condition.

No pitting corrosion found at 20x enlargement.

Specimen weight loss

Lot	g/m2
95885	0.00

Following controls/tests have been satisfactorily performed:

- Flattening test.
- Flaring test
- 100% PMI-test.
- Leak test: Eddy current test acc to EN ISO 10893-1, ASME SA-1016.
- Visual inspection and dimensional control.

Heat Treatment:

Bright annealed at min 1150°C/0.25 minutes and quenched in water/forced gas.

Marking:

SANDVIK 254 SMO ASTM/ASME A/SA-213 ASTM A-269 COLD EN10216-5 TC1 AW UNS S31254
 EN 1.4547 CFA SML 12.70 X 1.24 MM 1/2" X 18 BWG/SWG HT 565050 SZ LOT 2065807
 -11 MADE BY SANDVIK IN CZECHIA *QA-TUBE*

The raw material is free from radioactive contamination.

Material free from mercury contamination.

No welding or weld repair.

NORSOK M-650 QTR NO: QTR6Mo_BA215

NORSOK M-650 QTR NO: QTR6Mo_BA832

NORSOK M-650 QTR NO: 6Mo Tubes

NORSOK M-650 QTR NO: QTR/Type6Mo/R1000/2019 - Cold finished annealed rapidly cooled by protective gas.



NORSOK M-650 QTR NO: QTR/Type6Mo/R2000/2021 - Cold finished annealed rapidly cooled by protective gas.

NORSOK M-650 QTR NO: QTR/Type6Mo/INDUKCE/2022

Approved acc. AD 2000-Merkblatt W0 and certified acc. to Pressure Equipment Directive (2014/68/EU, Annex 1 para 4.3) 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 9001:2015.

No unauthorized alterations. The contents of this Inspection Certificate may not be modified or revised in any way without the prior written approval of Alleima.

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.

Alleima, formerly Sandvik Materials Technology. During a brand transition period, both Sandvik and Alleima marking on products may exist.

TEST RESULTS TRANSFERRED FROM CERTIFICATE NO C-4706/40

