

CERTIFICATE

A03/Z02 No. V/23-059329

2023-05-19

Rev Page

00 1/3

A08

B02

A02/Z03

INSPECTION CERTIFICATE acc to EN 10204 3.1

A06

Date

PROCESSKONTROLL ITEMS AB

BOX 2088

444 02 STORA HÖGA

SWEDEN

INSPECTION STAMP

QA-TUBE

Customer References

764027

Alleima References

Subs No. Dispatch note Order No.

598265 174018 197496

Suppl. No C.Code

174018 58

Material description

SEAMLESS STAINLESS COLD FINISHED

HYDRAULIC TUBING

Steel/material Designations

Alleima EN no

5R75

A07

B01/B04

1.4571

Metallurgical process

Electric furnace

Origin C70

Czech Republic

B03 Technical requirements

PED 2014/68/EU EN 10216-5 TC1 NACE MR0175/ISO 15156-3:-2015

HRB MAX 90

EXTENT OF DELIVERY

It Product designation 02 THT-5R75-12-1.5

12.00 X 1.50 24218

Heat Lot 044439 96813 044439 96814

Kg 40.2 102.00 40.2

102.00

M

Total KEY TO HEAT

Heat No. 566406

80.4 204.00 KEY TO LOT

Lot Code Lot No. 96813 2089980-11 96814 2089981-11

TEST RESULTS

Heat Code

044439

044439

Chemical composition (weight%)

Heat С Si Mn Ρ S \mathtt{Cr} Νi Mo 0.026 0.007 044439 0.034 0.45 1.22 16.75 12.16 2.02

Тi N 0.43 0.011

> Quality assurance - Sofia Akesson / Q-Manager MTC Service / Certificates

A05/Z02

B07-B13



2023-05-19

Date



Tensile	ensile test at room temperature						
		Yield	strength	Tensile strength	Elongation		
		MPa	MPa	MPa	%		
Lot		Rp0.2	Rp1.0	Rm	A		
96813		297	327	585	62		
96814		315	343	593	62		

Hardness test

	Min	Max	
Lot	HRB	HRB	
96813	75	76	
96814	78	78	

Following controls/tests have been satisfactorily performed:

- Flaring test
- 100% PMI-test.
- Intergranular corrosion test acc. to EN ISO3651-2, Method A.
- Leak test: Eddy current test acc to EN ISO 10893-1
- Visual inspection and dimensional control.

Heat Treatment:

Solution annealed and quenched.

Marking:

5R75 EN10216-5 TC1 EN10305-1 WNR 1.4571 EN 1.4571 CFA 12.00 X 1.50 MM HT 56640 6 SZ LOT 2089980-11 MADE BY ALLEIMA IN CZECHIA *QA-TUBE* 5R75 EN10216-5 TC1 EN10305-1 WNR 1.4571 EN 1.4571 CFA 12.00 X 1.50 MM HT 56640 6 SZ LOT 2089981-11 MADE BY ALLEIMA IN CZECHIA *OA-TUBE*

The raw material is free from radioactive contamination.

Material free from mercury contamination.

No welding or weld repair.

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.





Alleima

No. V/23-059329
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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-8522/10 C-8522/10

