

CERTIFICATE

A03/Z02 No. V/23-060193

2023-06-05

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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

764109

Alleima References

Order No. Subs No. Dispatch note

598822 174154 197653

Suppl. No C.Code 174154 58

Material description

SEAMLESS STAINLESS COLD FINISHED

HYDRAULIC TUBING

Steel/material Designations

Alleima EN no 5R75 1.4571

Metallurgical process

Electric furnace Czech

Republic

Origin C70

Technical requirements

PED 2014/68/EU EN 10216-5 TC1

B03

A07

B01/B04

NACE MR0175/ISO 15156-3:-2015 HRB MAX 90

EXTENT OF DELIVERY

It Product designation Heat 044439 96805

01 THT-5R75-12-1

12.00 X 1.00

24226

Total

Lot

82.6 300.00

M

300.00

Kg

82.6

KEY TO LOT

Heat Code Heat No. Lot Code Lot No.

044439 566406 96805 2089788-11

TEST RESULTS

KEY TO HEAT

Chemical composition (weight%)

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

> Тi N

044439 0.43 0.011

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

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Alleima

Tensile test at room temperature

Yield strength Tensile strength Elongation

MPa MPa MPa Lot Rp0.2 Rp1.0 Α Rm96805 348 378 610 58

Hardness test

Min Max HRB HRR Lot 96805 76 76

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 1.00 MM HT 56640 6 SZ LOT 2089788-11 MADE BY ALLEIMA IN CZECHIA *QA-TUBE*

The raw material is free from radioactive contamination.

Material free from mercury contamination.

No welding or weld repair.

Approved acc. AD 2000-Merkblatt WO 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.





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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-8521/10

