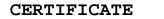


INSPECTION CERTIFICATE acc to Processkontroll Items AB EN 10204 3.1

Box 2088 444 02 STORA H@GA SWEDEN

INSPECTION STAMP QA-TUBE

| Customer | r Referer | nces | | | k Referer | | | |
|----------|-----------|---------|--------------------------|------------|-----------|-----------|-----------|---------|
| | | | Customer | | | | MT Dispat | ch note |
| 754149 | | | order | 461207 | | | 08/54 | |
| | | | 2016-11- | | No. C.Co | ode | | |
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| 003-0099 | 91 ITEMS | 5 | | | | | | |
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| | l descrip | | | | material | | | |
| | | | D FINISHED | Sandvi | k | SS | | |
| HYDRAUL | IC TUBING | 3 | | 3R60 | | 23 | 53 | |
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| | aking pro | | | | | | | |
| Electri | c furnace | 2 | | | | | | |
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| | al requir | rements | | | | | | |
| SS 2197 | | 1 | | | | | | |
| conditio | on No -24 | Ł | | | | | | |
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| EVTENT (| OF DELIVE | νσv | | | | | | |
| | Product | | nation | Heat Lot | Pieces | s Kg | | м |
| | THT-3R6 | | | 545517 572 | | - | | |
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| | 20.00 1 | 2.50 | | | | | | |
| | | | | Tot | al 25 | 163. | 0 150 | .00 |
| TEST RE | SULTS | | | | | | | |
| | l composi | tion (| weight%) | | | | | |
| Heat | C | Si | Mn | P | S | Cr | Ni | Mo |
| | 0.021 | 0.42 | 1.58 | 0.032 | | - | 13.09 | 2.63 |
| | N | | | | | | | |
| 545517 | 0.039 | | | | | | | |
| | | | | | | | | |
| Tensile | test at | room t | emperature | | | | | |
| | | eld st | | Tensile | strength | Elonga | tion | |
| | МІ | | Pa | MPa | | ~ | | |
| Lot | | 0.2 R | | Rm | | A | | |
| 57265 | 29 | | | 596 | | 57 | | |
| | | 39 3 | | 596 | | 56 | | |
| | | | 22 | 587 | | 53 | | |
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| Followi | ng contro | ols/tes | ts have bee | n satisfac | torily pe | erformed: | | |
| | ening tes | | | | | | | |
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| Oua | lity assu | irance | - Lars-Åke | Bergavist | / OA-mana | aer | | |
| | | | | | | | | |
| ~ | | | MTC Servi | ce / Certi | ficates | | | |
| | VIK MATEF | RIALS T | MTC Servi ECHNOLOGY R | ce / Certi | | VAT No. | SE663000- | 060901 |





- PMI-test.

- Intergranular corrosion test acc. to EN ISO3651-2, Method A.
- Leak test: Eddy current test acc to SS $114301/114305\ \text{El}$
- Visual inspection and dimensional control.

Heat Treatment:

Solution annealed and quenched.

The raw material is free from radioactive contamination.

Material free from mercury contamination.

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 9001:2008.

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