
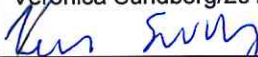


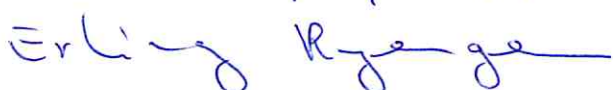


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|---|--|-----------------------|--|------------------------|-------------------------|
|  | QTR Qualification Test Record NORSOK M-650 | | | | QTR. No.: QTR_S32750 |
| | | | | | Rev. No.:16 |
| Manufacturer name/address/ Web page: | Outokumpu Stainless AB, QPE, SE-693 81 Degerfors www.outokumpu.com | | | | |
| Reference standard | NORSOK M-650 rev.4 | | | | |
| Material designation and MDS No.: | ASTM A240 UNS S32750 MDS D55 rev. 5 | | | | |
| Manufacturing summary doc. No.: | MS-UNS S32750 | | | | Rev. No.: 16 |
| Products and manufacturing process(es): | Hot rolled stainless plate, solution annealed and pickled: A4: Slab Avesta+Rolling in Degerfors+Heat treatment Roller Hearth Furnace Degerfors A6: Slab Avesta+Rolling in Degerfors+Heat treatment Batch Furnaces (BF1 or BF2) Degerfors A7: Slab Avesta+Pre-Rolling Avesta+Rolling in Degerfors+Heat treatment Batch Furnaces (BF1 or BF2) Degerfors | | | | |
| Mandatory conditions and sub-contractors: | Sub-contractors: Slab Avesta | | | | |
| Other information: | Verification of Heat treatment Furnaces carried out. References: - Report 4.0 Verification of heat treatment procedure in Roller Hearth furnace, 1100 C° - Verification report BF1 (880-109) - Verification report BF2 (880-110) | | | | |
| Qualification expires: | December 2020 | | | | |
| Tested and Qualified Thickness and Weight | | | | | |
| Products and manufacturing process(es): | Test record No. | Tested thickness (mm) | Qualified thickness (mm) | Test piece weight (kg) | Qualified weight (kg) |
| Hot rolled stainless plate, solution annealed and pickled: | | | | | |
| A4: | TR_8931-03-03 | 25 | Max 32 | 2465 | - |
| A6: | TR_3169-19-10 | 50 | Max 50 | 3458 | |
| A7: | TR_3312-04-22 | 32 | Max 40 | 2218 | - |
| Manufacturer: Outokumpu Stainless AB | Prepared by/Date: Technical development Veronica Sundberg/2015-12-21  | | Checked by/Date: T&Q Manager Anna Arnvig/2015-12-21  | | |
| <small>The manufacturer and this QTR are evaluated and found to be in compliance with the requirements of NORSOK M-650 for supply of the above listed products and materials. This acceptance does not exempt any purchaser from his responsibility to ensure that this qualification is valid for his products within the essential variables of NORSOK M-650.</small> | | | | | |
| Qualified/Accepted by (company name/address):  Aker Solutions Aker Engineering & Technology AS Reg.nr. 879 817 552 | | | Signature/Date: 22/12/2015  | | |