



INSPECTION CERTIFICATE 3.1

ISSUE DATE: 2016-10-06

ACCORDING TO EN 10204

CERTIFICATE NO 115550

Rev 1

| | | | | | |
|---------------------|------------|-------------------|--|-----------------|--------------|
| MANUFACTURER'S MARK | BHS | INSPECTOR'S STAMP | | MELTING PROCESS | E/AOD |
|---------------------|------------|-------------------|--|-----------------|--------------|

| | | | |
|---|---------------------------------------|----------|-------------------|
| CUSTOMER: ACERINOX SCANDINAVIA A.B. SANDTAGSGATAN 2, S-211 24 MALMO, MALMO, SWEDEN. Sweden | ORDER No. | ITEM No. | DELIVERY NOTE No. |
| | BE04427 | 11 | DEL032609 |
| | CUSTOMER ORDER No. PC45976/PI10642 | | |
| REQUIREMENTS | | | |

| | | |
|-----------------------------------|----------------------|-----------------------|
| SPECIFICATIONS | MATERIAL CODE | CASE |
| EN 10088-2-2014 | 1.4307 1.4301 | BPS1F45052 [10180 kg] |
| EN 10028-7-2007 | 1.4307 1.4301 | |
| ASTM A240 / A240M-15a | 304L 304 | |
| ASME BPVC-IIA SA240 / SA240M-2013 | 304L 304 | |

| | |
|---|--|
| TOLERANCE: ISO9445-2 | KURZNAME X2CRNi189 EN |
| PRODUCT: 2B Finish, Cold Rolled, Annealed & Pickled, Skin passed | HEAT No.: M2VN |
| DIMENSIONS: 3 mm X 1500 mm X COIL | QUANTITY 1 MASS 10180 Kg MATERIAL No.: A0031691 |

| CHEMICAL COMPOSITION (%) | | | | | | | | | | |
|--------------------------|-------|-------|-------|------|------|------|------|------|--|--|
| | C | S | P | Mn | Si | Cr | Ni | N | | |
| Min | | | | | | 17.5 | 8.0 | | | |
| Max | 0.030 | 0.015 | 0.045 | 2.00 | 0.75 | 19.5 | 10.5 | 0.10 | | |
| Actual | 0.014 | 0.001 | 0.033 | 1.74 | 0.34 | 18.0 | 8.1 | 0.08 | | |

| MECHANICAL PROPERTIES | | | | | | | | | | |
|-----------------------|------------|-----------------|-----------|--------------|--------------|----------|---------|--------------|--|--|
| TEMPERATURE | DIRECTION | POSITION | Rm MPa | Rp0.2 MPa | Rp1.0 MPa | A50 % | A5 % | HRBW HRBW | | |
| Ambient | Transverse | Requirement Min | 540 | 230 | 260 | 40 | 45 | | | |
| | | Max | 700 | | | | | 92 | | |
| Ambient | Transverse | Head | 634 | 294 | 345 | 51 | 49 | 83 | | |
| | | Tail | 635 | 294 | 345 | | 49 | 82 | | |

| INTERGRANULAR CORROSION | | <p>This material is free from mercury contamination. The radiation level exhibited by this material is not greater than the normal background level. This document is issued without alteration or erasure and may only be reproduced in full.</p> <p>Tests to verify batch and quality have been made. Verwechslungsprüfung wurde durchgeführt. Visual and dimensional control: no exceptions. Besichtigungen und Abmessung: ohne Beanstandung. The delivery is in accordance with the order. Die Lieferung entspricht den Bestellbedingungen. This material meets the Hardness requirement of Nace MR-0175 & Nace MR-0103 Material has been PMI Tested</p> <p>Bahru Stainless Sdn Bhd is certified with ISO 9001 & ISO 14001</p> <p>BAHRU STAINLESS SDN BHD IS MEMBER OF ACERINOX GROUP</p> |
|------------------------------------|-----------|---|
| SPECIFICATION | RESULT | |
| | | |
| HEAT TREATMENT (SOLUTION ANNEALED) | | |
| Anneal °C | Quench | |
| 1050 - 1100 | AIR/SPRAY | |

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