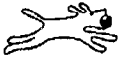


FLOW TECHNOLOGY LTD
TEST CERTIFICATE
VERIFIED TRUE
COPY OF ORIGINAL





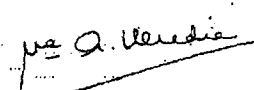
We certify that this document is a true and current copy of the original certificate provided by the supplier/producer. The document from which this copy has been taken can be inspected on request. Customer: CHARLES DAY (STEELS) LTD, SHEFFIELD
 Despatched 13.07.2017 on Shipment 2585765 Delivery 816720040 Customer Ref. 7327
 Stainless Steel 316 / 316L Quarto Plate
 EN 10088-2
 Hot Rolled
 15x1500x3000
 Batch: 0007740262



| ACERINOX EUROPA | | by Accredited Body | | INSPECTION CERTIFICATE CERTIFICADO DE INSPECCION 3.1 | | | | | | |
|---|---------|--|--------|--|---------|---|--------------------------------------|----------|---------|-------|
| FABRICA DEL GRUPO DE CIENFUTOS PALMONES (LOS BARRIOS) P.Nº. 1241 - 354 42 53 00 P.Nº. 1241 - 354 42 53 11 P.O. BOX 81 13370 LOS BARRIOS (CADIZ) ESPAÑA | | ACCORDING TO EN 10204 | | CERTIFICATE N° FO 2017 2335 20002 * | | | | | | |
| | | OUR ORDER N° Nº PEDIDO: SO 48049 | | YOUR ORDER N° Nº PEDIDO: 4500853319/B/FEB 17 | | | | | | |
| | | TRADE MARK SELLO DEL FABRICANTE: | | INSPECTOR'S STAMP SELLO DEL INSPECTOR: | | STEELMAKING PROCESS PROCESO DE ACERIA: | | | | |
| | | | | | | A.O.D. | | | | |
| REQUIREMENTS NORMAS APLICABLES EN 10088-2:2014 EN-ISO-18286(Thickness Tolerances) ASTM A240Ed15a/A480Ed16-ASME Sección SA240/SA480Ed15 EN 10088-2:2014 EN-ISO-18286(Thickness Tolerances) ASTM A240Ed15a/A480Ed16-ASME Sección SA240/SA480Ed15 | | | | INTERGRANULAR CORROSION GRADE CORROSION INTERGRANULAR EN ISO 3651-2 ASTM-A-262 PRACTICA E EN ISO 3651-2 ASTM-A-262 PRACTICA E | | MATERIAL Acx 240 1.4401 Acx 240 TP-316 Acx 240 1.4404 Acx 240 TP-316L | | | | |
| | | | | | | FINISH ACABADO | | | | |
| | | | | | | 1D Nº1 1D Nº1 | | | | |
| COIL / BOX | | CONTENT | | DIMENSIONS (mm) | | | MARKS | QUANTITY | TEST N° | |
| BOBINA / CAJA | | CONTENIDO | | THICKNESS | WIDTH | LENGTH | | | | |
| | | | | ESPEZOR | ANCHO | LARGO | PARCA | CANTIDAD | PROBETA | |
| D9308J | | 04N1LV BA | | 15,000 | 1500,00 | 3000,00 | 5 | 1 | D4N1LV | |
| D9308J | | 04N1LV BB | | 15,000 | 1500,00 | 3000,00 | 5 | 1 | D4N1LV | |
| D9308J | | 04N1LV BC | | 15,000 | 1500,00 | 3000,00 | 5 | 1 | D4N1LV | |
| CHEMICAL ANALYSIS / COMPOSICIÓN QUÍMICA (%) | | | | | | | | | | |
| HEAT N° | | C | CR | MN | MO | N | NI | P | S | SI |
| 04N1LV | | 0,016 | 16,660 | 1,293 | 2,059 | 0,039 | 10,085 | 0,025 | 0,001 | 0,387 |
| MECHANICAL PROPERTIES / CARACTERÍSTICAS MECÁNICAS | | | | | | | | | | |
| TEST N° | PROBETA | Rm | Rp 0.2 | Rp 1.0 | A50 | A5 | HRB | A200 | | |
| | | N/mm2 | N/mm2 | N/mm2 | % | % | | % | | |
| 04N1LV | | 656,34 | 393,16 | 417,89 | 48,21 | 45,21 | 92,00 | 43,21 | | |
| REMARKS / OBSERVACIONES | | | | | | | SURFACE AND DIMENSIONAL CONTROL | | | |
| The delivery is in accordance with the order Temperatura de hipertemple entre 1050 y 1100 ° C. NACE-MR0175/ISO 15156-3:2009; NACE MR0103:2012 (Chem & Mech only). | | | | | | | INSPECCIÓN SUPERFICIAL Y DIMENSIONAL | | | |
| | | | | | | | SATISFACTORY SATISFACTORIA | | | |
| | | | | | | | WORK INSPECTOR | | | |
| | | | | | | | INSPECTOR | | | |
| | | | | | | | A. Heredia | | | |
| | | | | | | | Palmones, 19 ENERO 2017 | | | |

We certify that this document is a true and current copy of the original certificate provided by the supplier/producer. The document from which this copy has been taken can be inspected on request. Customer: CHARLES DAY (STEELS) LTD, SHEFFIELD
Despatched 13.07.2017 on Shipment 2585765 Delivery 816720040 Customer Ref. 7327
Stainless Steel 316 / 316L Quarto Plate
EN 10088-2
Hot Rolled
15x1500x3000
Batch: 0007740262



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------|--|--------|---|-------|---|----------------|--|----------------------|-------------|--------------------|-------------|--|----------------------------|--------|-------------|----|---|----|---|---|----|--|--|--|--------------|--------|--------|--------|-------|--|--------|--|--|--|--|--|--|--------------|--------|--------|--------|-------|-------|--------|-------|-------|-------|--|--|--|--------|--------|--------|--------|-------|-------|--------|-------|-------|-------|--|--|--|
| ACERINOX EUROPA FABRICA DEL CARPO DE GIBRALTAR PALMONES (LAS BARRIOS) VPOD. (34) - 954 52 93 80 FAX. (34) - 954 52 93 11 P.O. BOX 93 11718 LAS BARRIOS (Cádiz) ESPAÑA | |  by Accredited Body 0769-CFR-VAS-00510 067 No. 2/2013 | | INSPECTION CERTIFICATE CERTIFICADO DE INSPECCION 3.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ACCORDING TO EN 10204 | | CERTIFICATE N° FO 2017 2335 20001 Y | | OUR ORDER N° SO 48049 | | YOUR ORDER N° 4500863319/B/FEB 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TRADE MARK SELLO DEL FABRICANTE | |  | | INSPECTOR'S STAMP SELLO DEL INSPECTOR | | STEELMAKING PROCESS PROCESO DE ACERÍA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REQUIREMENTS NORMAS APLICABLES EN 10088-2:2009 EN-ISO-18286(Thickness Tolerances) | | INTERGRANULAR CORROSION CORROSIÓN INTERGRANULAR | | GRADE MATERIAL Acr 240 1.4404 | | FINISH ACABADO 1D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| COIL / BOX bobina / caja | | CONTENT CONTENIDO | | DIMENSIONS (mm) DIMENSIONES | | | MARKS MARCA | | QUANTITY CANTIDAD | | TEST N° PROBETA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D9308J D9308J D9308J | | 04N1LV BA 04N1LV BB 04N1LV BC | | THICKNESS ESPESOR 15,000 15,000 15,000 | | WIDTH ANCHO 1500,00 1500,00 1500,00 | | LENGTH LONGO 3000,00 3000,00 3000,00 | | 5 5 5 | | 1 1 1 | | 04N1LV 04N1LV 04N1LV | | C C C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHEMICAL ANALYSIS / COMPOSICIÓN QUÍMICA (%) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HEAT N° BRILAS | | <table border="1"> <tr> <td></td> <td>C</td> <td>CR</td> <td>MN</td> <td>MO</td> <td>N</td> <td>NI</td> <td>P</td> <td>S</td> <td>SI</td> <td></td> <td></td> <td></td> </tr> <tr> <td>REQUIREMENTS</td> <td></td> <td>16,500</td> <td></td> <td>2,000</td> <td></td> <td>10,000</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>REQUIREMENTS</td> <td>0,030</td> <td>18,500</td> <td>2,000</td> <td>2,500</td> <td>0,100</td> <td>13,000</td> <td>0,045</td> <td>0,015</td> <td>1,000</td> <td></td> <td></td> <td></td> </tr> <tr> <td>N1LV</td> <td>0,016</td> <td>16,660</td> <td>1,293</td> <td>2,059</td> <td>0,039</td> <td>10,065</td> <td>0,025</td> <td>0,001</td> <td>0,387</td> <td></td> <td></td> <td></td> </tr> </table> | | | | | | | | | | | | C | CR | MN | MO | N | NI | P | S | SI | | | | REQUIREMENTS | | 16,500 | | 2,000 | | 10,000 | | | | | | | REQUIREMENTS | 0,030 | 18,500 | 2,000 | 2,500 | 0,100 | 13,000 | 0,045 | 0,015 | 1,000 | | | | N1LV | 0,016 | 16,660 | 1,293 | 2,059 | 0,039 | 10,065 | 0,025 | 0,001 | 0,387 | | | |
| | C | CR | MN | MO | N | NI | P | S | SI | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REQUIREMENTS | | 16,500 | | 2,000 | | 10,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REQUIREMENTS | 0,030 | 18,500 | 2,000 | 2,500 | 0,100 | 13,000 | 0,045 | 0,015 | 1,000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| N1LV | 0,016 | 16,660 | 1,293 | 2,059 | 0,039 | 10,065 | 0,025 | 0,001 | 0,387 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MECHANICAL PROPERTIES / CARACTERÍSTICAS MECÁNICAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TEST N° PROBETA | | <table border="1"> <tr> <td></td> <td>Rm</td> <td>Rp 0.2</td> <td>Rp 1.0</td> <td>A5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>REQUIREMENTS</td> <td>520,00</td> <td></td> <td>260,00</td> <td>45,00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>REQUIREMENTS</td> <td>670,00</td> <td>220,00</td> <td>260,00</td> <td>45,00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>04N1LV</td> <td>656,34</td> <td>393,19</td> <td>417,89</td> <td>45,21</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> | | | | | | | | | | | | Rm | Rp 0.2 | Rp 1.0 | A5 | | | | | | | | | REQUIREMENTS | 520,00 | | 260,00 | 45,00 | | | | | | | | | REQUIREMENTS | 670,00 | 220,00 | 260,00 | 45,00 | | | | | | | | | 04N1LV | 656,34 | 393,19 | 417,89 | 45,21 | | | | | | | | |
| | Rm | Rp 0.2 | Rp 1.0 | A5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REQUIREMENTS | 520,00 | | 260,00 | 45,00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REQUIREMENTS | 670,00 | 220,00 | 260,00 | 45,00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04N1LV | 656,34 | 393,19 | 417,89 | 45,21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REMARKS / OBSERVACIONES | | | | | | SURFACE AND DIMENSIONAL CONTROL INSPECCIÓN SUPERFICIAL Y DIMENSIONAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| The delivery is in accordance with the order | | | | | | SATISFACTORY SATISFACTORIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | WORK INSPECTOR: INSPECTOR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | |  A. Heredia | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | Palmones, 19 ENERO 2017 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |