

|                                    |                       |                                   |                                       |                                   |                       |
|------------------------------------|-----------------------|-----------------------------------|---------------------------------------|-----------------------------------|-----------------------|
| <b>COMPONENTE:</b><br>VESSEL PART: | <b>LOTTO:</b><br>LOT: | <b>MATERIALE</b><br>MATERIAL      | <b>FORNITORE</b><br>SUPPLIER          | <b>CERTIFICATO</b><br>CERTIFICATE | <b>COLATA</b><br>HEAT |
| <b>COPERCHIO</b><br>COVER          | <b>40041</b>          | <b>AISI 316L</b><br><b>1.4404</b> | <b>OUTOKUMPU SPA</b><br>434410 / 2021 | <b>860839</b>                     | <b>24608</b>          |



**INSPECTION CERTIFICATE 3.1**  
**DIN EN 10204 3.1**

Certificate No.  
Zeugnis Nr.  
N° du certificat  
**860839/001**      1 (01)  
Date Datum Date  
**07.10.2020**

|                                                                                                                                                                                                                                                                                                           |                                                                               |                                                                        |                               |                                                                                          |                        |                                                                      |                                      |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                               |             |              |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------------|------------------------|----------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------|--|--|
| Delivery address, Empfänger, Lieu de livraison<br><b>OUTOKUMPU S.P.A.</b><br><b>VIA FUSTAGNO, 21</b><br><b>T7</b><br><b>26012 CASTELLEONE</b><br><b>ITALY</b>                                                                                                                                             |                                                                               |                                                                        |                               | <b>OUTOKUMPU SPA</b><br><br><b>VIA AGNELLO, 8</b><br><b>20121 MILANO</b><br><b>ITALY</b> |                        |                                                                      |                                      |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                               |             |              |  |  |
| Requirements, Anforderungen, Exigences<br><b>EN 10088-4:2009</b><br><b>AD 2000 W2, W10 &amp; EN 10028-7:2016</b><br><b>ASTM A240/A240M</b><br><b>ASME SA-240/SA-240M II A ED. 2019</b>                                                                                                                    |                                                                               |                                                                        |                               | Our Order No.<br>Unser Auftrag Nr.<br>Notre commande n°<br><b>300582556</b>              |                        | Your order, Ihre Bestellung, Votre commande<br><b>830751</b>         |                                      |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                               |             |              |  |  |
| Product, Erzeugnisform, Produit<br><b>SHEET, STAINLESS STEEL</b>                                                                                                                                                                                                                                          |                                                                               |                                                                        |                               | Mark of Manufacturer<br>Zeichen des Lieferwerkes<br>Signe de producteur<br>              |                        | Process<br>Erschmelzungsart<br>Mode de fusion<br><b>AOD</b>          |                                      |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                               |             |              |  |  |
| Grade, Werkstoff, Nuance<br><b>1.4404 1.4401 TYPE 316L</b>                                                                                                                                                                                                                                                |                                                                               |                                                                        |                               | Tolerances Toleranzen, Tolérances<br><b>EN ISO 9445-2</b>                                |                        | <br>Inspector's stamp<br>Zeichen d. Sachverst.<br>Poicon de l'expert |                                      |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                               |             |              |  |  |
| Marking, Kennzeichnung, Marquage<br><b>1.4404 2B</b>                                                                                                                                                                                                                                                      |                                                                               |                                                                        |                               | Marks, Versandzeichen, Marques                                                           |                        |                                                                      |                                      |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                               |             |              |  |  |
| Line<br>Reihe<br>Ligne                                                                                                                                                                                                                                                                                    | Item<br>Position<br>Poste                                                     | Charge-test No.<br>Schmelze-Probe Nr.<br>Coulée n°                     | Size, Abmessungen, Dimensions | Quantity<br>Stückzahl<br>Nombre                                                          | Weight, Gewicht, Poids | Finish<br>Ausführung<br>Fini<br>EN/ASTM                              | <br><b>CE</b><br>14<br>0045-CPR-0567 |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                               |             |              |  |  |
| <b>1</b>                                                                                                                                                                                                                                                                                                  | <b>1</b>                                                                      | <b>23608 1</b>                                                         | <b>1,5 X 1500 X 3000 MM</b>   | <b>38</b>                                                                                | <b>2036 KG</b>         | <b>2B</b>                                                            |                                      |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                               |             |              |  |  |
| Charge no.<br>Schmelze Nr.<br>Coulée n°                                                                                                                                                                                                                                                                   |                                                                               | Chemical composition, Chemische Zusammensetzung, Composition chimiques |                               |                                                                                          |                        |                                                                      |                                      |                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                               |             |              |  |  |
|                                                                                                                                                                                                                                                                                                           |                                                                               | <b>C</b>                                                               | <b>Si</b>                     | <b>Mn</b>                                                                                | <b>P</b>               | <b>S</b>                                                             | <b>Cr</b>                            | <b>Ni</b>                                                                                                                                                                                                                                                                                 | <b>MO</b>                                                                                                                                                                                                                                                                                                     | <b>N</b>    |              |  |  |
|                                                                                                                                                                                                                                                                                                           |                                                                               | <b>%</b>                                                               | <b>%</b>                      | <b>%</b>                                                                                 | <b>%</b>               | <b>%</b>                                                             | <b>%</b>                             | <b>%</b>                                                                                                                                                                                                                                                                                  | <b>%</b>                                                                                                                                                                                                                                                                                                      | <b>%</b>    |              |  |  |
|                                                                                                                                                                                                                                                                                                           |                                                                               | <b>23608</b>                                                           | <b>0,017</b>                  | <b>0,46</b>                                                                              | <b>0,91</b>            | <b>0,034</b>                                                         | <b>0,002</b>                         | <b>17,3</b>                                                                                                                                                                                                                                                                               | <b>10,1</b>                                                                                                                                                                                                                                                                                                   | <b>2,02</b> | <b>0,030</b> |  |  |
| Line<br>Reihe<br>Ligne                                                                                                                                                                                                                                                                                    | Mechanical properties, Mechanische Eigenschaften, Caractéristiques mécaniques |                                                                        |                               |                                                                                          |                        |                                                                      |                                      |                                                                                                                                                                                                                                                                                           | Tensile test, Zugversuch, Essai de traction                                                                                                                                                                                                                                                                   |             |              |  |  |
|                                                                                                                                                                                                                                                                                                           | Sample ID<br>Proben ID<br>Echantillon                                         | Rp0.2<br>MPa                                                           | Rp1.0<br>MPa                  | Rm<br>MPa                                                                                | %                      | <b>A50</b><br>%                                                      | <b>A80</b><br>%                      | Hardness<br>Härte, Dureté<br><b>HBW</b>                                                                                                                                                                                                                                                   | <b>ISO 6892-1:2009 A224</b><br><b>SAMPLES PERPENDICULAR TO</b><br><b>THE ROLLING DIRECTION</b>                                                                                                                                                                                                                |             |              |  |  |
| <b>1</b>                                                                                                                                                                                                                                                                                                  | <b>01</b>                                                                     | <b>324</b>                                                             | <b>352</b>                    | <b>618</b>                                                                               |                        | <b>56</b>                                                            | <b>53</b>                            | <b>152</b>                                                                                                                                                                                                                                                                                | <b>APPROVED ACC. TO</b><br><b>AD2000-W0 WITH</b><br><b>VERIFICATION OF THE</b><br><b>UNIFORMITY OVER THE</b><br><b>STRIP LENGTH. CERTIFIED</b><br><b>ACC. TO PED 2014/68/EU BY</b><br><b>TUV NORD REG. NO. 0045.</b><br><b>DOPS ACC. TO CPR</b><br><b>AVAILABLE ON THE WEB</b><br><b>PAGE BY STEEL NUMBER</b> |             |              |  |  |
|                                                                                                                                                                                                                                                                                                           | <b>02</b>                                                                     | <b>331</b>                                                             | <b>360</b>                    | <b>626</b>                                                                               |                        | <b>55</b>                                                            | <b>52</b>                            | <b>154</b>                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                               |             |              |  |  |
| Identify test, Verwechslungsprüfung, Contrôle d'identification<br>Sizes, Abmessungen, Dimensions<br>Surface, Oberfläche, Surface<br>Test of intergran. corros. Prüfung auf interkrist. Korros. Test de corros. intercost.<br><b>EN ISO 3651-2 A: OK</b>                                                   |                                                                               |                                                                        |                               |                                                                                          |                        |                                                                      |                                      | <b>OK</b><br><b>OK</b><br><b>OK</b>                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                               |             |              |  |  |
| ASTM A240/A240M<br>ASME SA-240/SA-240M II A ED. 2019<br>TYPE 316<br>EN 10088-2:2014/1.4404, 1.4401<br>NACE MR0103/ISO 17945 AND<br>NACE MR0175/ISO 15156-1 / NACE MR0175/ISO 15156-3<br>HEAT TREATMENT 1070 C<br>SOLUTION ANNEALED<br>RAPID COOLING WITH AIR AND WATER                                    |                                                                               |                                                                        |                               |                                                                                          |                        |                                                                      |                                      | We certify that the above mentioned products comply with the terms of the order contract.<br>Wir bestätigen, dass die Lieferung den Vereinbarungen der Bestellannahme entspricht.<br>Nous certifions que les produits énumérés ci-dessus sont conformes aux prescriptions de la commande. |                                                                                                                                                                                                                                                                                                               |             |              |  |  |
| This test certificate is made by controlled ADP-system and is valid without signature.<br>Dieses Zeugnis wurde von einem überprüften Datenverarbeitungssystem erstellt und ist ohne Unterschrift gültig.<br>Ce certificat a été établi par un système informatique contrôlé et est valide sans signature. |                                                                               |                                                                        |                               |                                                                                          |                        |                                                                      |                                      | <b>Outokumpu Stainless Oy</b><br>                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                               |             |              |  |  |
| Authorized inspector<br>Werkssachverständiger<br>Inspecteur autorisé<br><b>ANNE HOLSTER</b>                                                                                                                                                                                                               |                                                                               |                                                                        |                               |                                                                                          |                        |                                                                      |                                      | FI-95490 Tomio, Finland<br>Tel. +358 16 4521, email certificate.tomio@outokumpu.com,<br>www.outokumpu.com<br>Domicile: Tomio, Finland. Business Identity Code 0823315-9                                                                                                                   |                                                                                                                                                                                                                                                                                                               |             |              |  |  |

Vs. Ord. 613  
Ns.DDT. 434410  
Del 07.10.2020

**COPY CONFORMING**  
**TO THE ORIGINAL**  
**OUTOKUMPU S.p.A.**

NAME \_\_\_\_\_  
SIGNATURE \_\_\_\_\_