

|                                                                                                                                                                                                                                    |                                                                               |                                                    |                               |             |                                                                                                                                                                                                                                                                                                           |                        |                                                             |                                  |                                                                                                                                                                                                                                                                                                             |              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Delivery address, Empfänger, Lieu de livraison<br><b>HTM YHTIÖT OY</b>                                                                                                                                                             |                                                                               |                                                    |                               |             | <b>HTM YHTIÖT OY</b>                                                                                                                                                                                                                                                                                      |                        |                                                             |                                  |                                                                                                                                                                                                                                                                                                             |              |
| TEOOLLISUUSKUJA 1<br>14200 TURENKI<br>SUOMI - FINLAND                                                                                                                                                                              |                                                                               |                                                    |                               |             | TIILITEHTAANTIE 23<br>12310 RYTTYLÄ<br>SUOMI - FINLAND                                                                                                                                                                                                                                                    |                        |                                                             |                                  |                                                                                                                                                                                                                                                                                                             |              |
| 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>300566625</b>                                                                                                                                                                                                                               |                        | Your order, Ihre Bestellung, Votre commande<br><b>13916</b> |                                  |                                                                                                                                                                                                                                                                                                             |              |
| Product, Erzeugnisform, Produit<br><b>SHEET , STAINLESS STEEL</b>                                                                                                                                                                  |                                                                               |                                                    |                               |             | Mark of Manufacturer<br>Zeichen des Lieferwerkes<br>Signe de producteur<br>outokumpu                                                                                                                                                                                                                      |                        | Process<br>Erschmelzungsart<br>Mode de fusion<br><b>AOD</b> |                                  | Inspector's stamp<br>Zeichen d. Sachverst.<br>Poicon de l'expert<br>                                                                                                                                                                                                                                        |              |
| Grade, Werkstoff, Nuance<br><b>1.4404 1.4401 TYPE 316L</b>                                                                                                                                                                         |                                                                               |                                                    |                               |             | Tolerances Toleranzen, Tolérances<br><b>EN 10051</b>                                                                                                                                                                                                                                                      |                        |                                                             |                                  |                                                                                                                                                                                                                                                                                                             |              |
| Marking, Kennzeichnung, Marquage<br><b>1.4404 1D</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>14<br>0045-CPR-0567                                                                                                                                                                                                                                                                                     |              |
| <b>1</b>                                                                                                                                                                                                                           | <b>11</b>                                                                     | <b>21704 5</b>                                     | <b>8,0 X 1500 X 3000 MM</b>   |             | <b>15</b>                                                                                                                                                                                                                                                                                                 | <b>4298 KG</b>         | <b>1D/1</b>                                                 |                                  |                                                                                                                                                                                                                                                                                                             |              |
| Charge no.<br>Schmelze Nr.<br>Coulée n°                                                                                                                                                                                            | Chemical composition, Chemische Zusammensetzung, Composition chimiques        |                                                    |                               |             |                                                                                                                                                                                                                                                                                                           |                        |                                                             |                                  |                                                                                                                                                                                                                                                                                                             |              |
|                                                                                                                                                                                                                                    | C<br>%                                                                        | Si<br>%                                            | Mn<br>%                       | P<br>%      | S<br>%                                                                                                                                                                                                                                                                                                    | Cr<br>%                | Ni<br>%                                                     | MO<br>%                          | N<br>%                                                                                                                                                                                                                                                                                                      |              |
|                                                                                                                                                                                                                                    | <b>21704</b>                                                                  | <b>0,019</b>                                       | <b>0,50</b>                   | <b>0,89</b> | <b>0,036</b>                                                                                                                                                                                                                                                                                              | <b>0,001</b>           | <b>17,2</b>                                                 | <b>10,0</b>                      | <b>2,03</b>                                                                                                                                                                                                                                                                                                 | <b>0,039</b> |
| Line<br>Reihe<br>Ligne                                                                                                                                                                                                             | Mechanical properties, Mechanische Eigenschaften, Caracteristiques mecaniques |                                                    |                               |             |                                                                                                                                                                                                                                                                                                           |                        |                                                             |                                  | Tensile test, Zugversuch, Essai de traction                                                                                                                                                                                                                                                                 |              |
|                                                                                                                                                                                                                                    | Sample ID<br>Proben ID<br>Echantillon                                         | Rp0.2<br>MPa                                       | Rp1.0<br>MPa                  | Rm<br>MPa   | A5<br>%                                                                                                                                                                                                                                                                                                   | A50<br>%               | %                                                           | Hardness<br>Härte, Duraté<br>HBW | ISO 6892-1:2009 A224<br>SAMPLES PERPENDICULAR TO<br>THE ROLLING DIRECTION                                                                                                                                                                                                                                   |              |
| <b>1</b>                                                                                                                                                                                                                           | <b>01</b>                                                                     | <b>297</b>                                         | <b>339</b>                    | <b>593</b>  | <b>51</b>                                                                                                                                                                                                                                                                                                 | <b>52</b>              |                                                             | <b>171</b>                       | <b>APPROVED ACC.TO</b><br><b>AD2000-WO 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>TÜV 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>301</b>                                         | <b>341</b>                    | <b>590</b>  | <b>52</b>                                                                                                                                                                                                                                                                                                 | <b>53</b>              |                                                             | <b>172</b>                       |                                                                                                                                                                                                                                                                                                             |              |
| Identity test, Verwechslungsprüfung, Controle d'identification<br>SIZES. Abmessungen, Dimensions<br>Surface, Oberfläche, Surface<br>Test of intergran. corros. Prüfung auf interkrist. Korros. Test de corros. intercrst.          |                                                                               |                                                    |                               |             | <b>OK</b>                                                                                                                                                                                                                                                                                                 |                        |                                                             |                                  |                                                                                                                                                                                                                                                                                                             |              |
| <b>EN ISO 3651-2 A: OK</b>                                                                                                                                                                                                         |                                                                               |                                                    |                               |             | <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 |                                                                               |                                                    |                               |             | 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>PIRKKO JANNE</b>                                                                                                                                                                                                               |                        |                                                             |                                  |                                                                                                                                                                                                                                                                                                             |              |
|                                                                                                                                                                                                                                    |                                                                               |                                                    |                               |             | FI-95490 Tornio, Finland<br>Tel. +358 16 4521, email certificate.tornio@outokumpu.com,<br>www.outokumpu.com<br>Domicile: Tornio, Finland. Business Identity Code 0823315-9                                                                                                                                |                        |                                                             |                                  |                                                                                                                                                                                                                                                                                                             |              |