












|  |   |  |                               |           |   |                                 |   |   |   |    |
|--|---|--|-------------------------------|-----------|---|---------------------------------|---|---|---|----|
| Delivery address, Empfänger, Lieu de livraison<br><b>OVAKO METALS OY AB</b>  |   |  |                               |           | <b>OVAKO METALS OY AB</b>   |                                 |   |   |   |    |
| TUOTEKATU 3<br>33840 TAMPERE<br>SUOMI - FINLAND  |   |  |                               |           | ATOMITIE 5 A<br>00370 HELSINKI<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>300601515  |                                 | Your order, Ihre Bestellung, Votre commande<br><b>018704-1</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>1.4307 1.4301 TYPE 304</b>  |   |  |                               |           | Tolerances Toleranzen, Tolérances<br><b>EN ISO 9445-2</b>   |                                 |   |   |    |    |
| Marking, Kennzeichnung, Marquage<br><b>1.4307 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>14<br>0045-CPR-0567  |    |
| 1  | 12  | 30219 2  | 3,0                           | X         | 1500 X 3000   | MM                              | 10  | 1066 KG                                 |   | 2B |
| 2  | 12  | 32100 3  | 3,0                           | X         | 1500 X 3000   | MM                              | 18  | 1924 KG                                 |   | 2B |
| 3  | 12  | 31920 5  | 3,0                           | X         | 1500 X 3000   | MM                              | 45  | 4816 KG                                 |   | 2B |
| 4  | 13  | 30219 1  | 3,0                           | X         | 1500 X 6000   | MM                              | 16  | 3426 KG                                 |   | 2B |
| 5  | 16  | 30876 4  | 5,0                           | X         | 1500 X 3000   | MM                              | 28  | 4980 KG                                 |   | 2B |
| Charge no.<br>Schmelze Nr.<br>Coulée n°  | Chemical composition, Chemische Zusammensetzung, Composition chimiques        |  |                               |           |   |                                 |   |   |   |    |
|  | C   | Si   | Mn                            | P         | S   | Cr                              | Ni  | N                                       |   |    |
|  | %   | %  | %                             | %         | %   | %                               | %   | %                                       |   |    |
| 30219  | 0,021   | 0,42   | 1,33                          | 0,026     | 0,001   | 18,4                            | 8,1   | 0,065                                   |   |    |
| 32100  | 0,025   | 0,45   | 1,30                          | 0,031     | <.001   | 18,2                            | 8,1   | 0,059                                   |   |    |
| 31920  | 0,022   | 0,40   | 1,30                          | 0,030     | <.001   | 18,3                            | 8,0   | 0,060                                   |   |    |
| 30876  | 0,027   | 0,41   | 1,32                          | 0,036     | 0,001   | 18,4                            | 8,0   | 0,071                                   |   |    |
| 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 6892-1:2019 A224<br>SAMPLES PERPENDICULAR TO<br>THE ROLLING DIRECTION   |    |
| 1  | 01  | 278  | 312                           | 635       | 60  | 59                              |   | 160                                     | APPROVED ACC.TO<br>AD2000-WO WITH<br>VERIFICATION OF THE<br>UNIFORMITY OVER THE<br>STRIP LENGTH. CERTIFIED<br>ACC.TO PED 2014/68/EU BY<br>TUV NORD REG. NO. 0045.<br>DOPS ACC. TO CPR<br>AVAILABLE ON THE WEB<br>PAGE BY STEEL NUMBER |    |
|  | 02  | 283  | 316                           | 638       | 63  | 60                              |   | 164                                     |   |    |
| 2  | 01  | 304  | 337                           | 631       | 61  | 59                              |   | 174                                     |   |    |
|  | 02  | 303  | 336                           | 629       | 60  | 58                              |   | 171                                     |   |    |
| 3  | 03  | 298  | 332                           | 632       | 60  | 58                              |   | 170                                     |   |    |
|  | 04  | 301  | 336                           | 634       | 58  | 56                              |   | 174                                     |   |    |
| 4  | 01  | 288  | 322                           | 641       | 58  | 57                              |   | 166                                     |   |    |
|  | 02  | 285  | 318                           | 635       | 58  | 57                              |   | 162                                     |   |    |
| 5  | 01  | 323  | 363                           | 631       | 55  | 54                              |   | 185                                     |   |    |
|  | 02  | 328  | 366                           | 632       | 54  | 53                              |   | 188                                     |   |    |
| 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. intercris.  |   |  |                               |           | OK<br>OK<br>OK  |                                 |  |   |   |    |
| ASTM A240/A240M<br>ASME SA-240/SA-240M II A ED. 2019<br>TYPE 304L<br>EN 10088-2:2014/1.4307, 1.4301<br>NACE MR0103/ISO 17945 AND<br>NACE MR0175/ISO 15156-1 / NACE MR0175/ISO 15156-3<br>HEAT TREATMENT 1060 C<br>SOLUTION ANNEALED<br>96-311024<br>96-311025<br>96-311031 |   |  |                               |           | 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. |                                 |   |   |   |    |
|  |   |  |                               |           | <p align="center"><b>Outokumpu Stainless Oy</b></p> <p align="center"></p> <p align="center">Authorized inspector <b>PIRKKO JANNE</b><br/>Werkssachverständiger<br/>Inspecteur autorisé</p>                          |                                 |   |   |   |    |
|  |   |  |                               |           | <p>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</p>  |                                 |   |   |   |    |

|   |   |  |                               |           |   |                        |   |  |   |  |
|---|---|--|-------------------------------|-----------|---|------------------------|---|--|---|--|
| Delivery address, Empfänger, Lieu de livraison<br><b>OVAKO METALS OY AB</b>   |   |  |                               |           | <b>OVAKO METALS OY AB</b>   |                        |   |  |   |  |
| TUOTEKATU 3<br>33840 TAMPERE<br>SUOMI - FINLAND   |   |  |                               |           | ATOMITIE 5 A<br>00370 HELSINKI<br>SUOMI - FINLAND   |                        |   |  |   |  |
| Requirements, Anforderungen, Exigences<br><b>EN 10088-4:2009<br/>AD 2000 W2, W10 &amp; EN 10028-7:2016<br/>ASTM A240/A240M<br/>ASME SA-240/SA-240M II A ED. 2019</b>  |   |  |                               |           | Our Order No.<br>Unser Auftrag Nr.<br>Notre commande n°<br>300601515  |                        | Your order, Ihre Bestellung, Votre commande<br><b>018704-1</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>1.4307 1.4301 TYPE 304</b>   |   |  |                               |           | Tolerances Toleranzen, Tolérances<br><b>EN ISO 9445-2</b>   |                        |   |  |   |  |
| Marking, Kennzeichnung, Marquage<br><b>1.4307 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>14<br>0045-CPR-0567 |   |  |
| 6   | 18  | 31116 1  | 6,0 X 1500 X 6000 MM          |           | 7   | 3010 KG                | 2B  |  |   |  |
| 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>%   | N<br>%   |   |  |
|   | 31116   | 0,029  | 0,51                          | 1,28      | 0,041   | <.001                  | 18,1  | 8,0  | 0,077   |  |
| 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   | <b>ISO 6892-1:2019 A224<br/>SAMPLES PERPENDICULAR TO<br/>THE ROLLING DIRECTION</b><br><br><b>APPROVED ACC.TO<br/>AD2000-WO WITH<br/>VERIFICATION OF THE<br/>UNIFORMITY OVER THE<br/>STRIP LENGTH. CERTIFIED<br/>ACC.TO PED 2014/68/EU BY<br/>TÜV NORD REG. NO. 0045.<br/>DOPS ACC. TO CPR<br/>AVAILABLE ON THE WEB<br/>PAGE BY STEEL NUMBER</b> |  |
| 6   | 01  | 318  | 350                           | 618       | 56  | 56                     |   | 182  |   |  |
|   | 02  | 310  | 345                           | 617       | 57  | 57                     |   | 182  |   |  |
| 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.<br><b>EN ISO 3651-2 A: OK</b> |   |  |                               |           | OK<br>OK<br>OK  |                        |  |  |   |  |
| ASTM A240/A240M<br>ASME SA-240/SA-240M II A ED. 2019<br>TYPE 304L<br>EN 10088-2:2014/1.4307, 1.4301<br>NACE MR0103/ISO 17945 AND<br>NACE MR0175/ISO 15156-1 / NACE MR0175/ISO 15156-3<br>HEAT TREATMENT 1060 C<br>SOLUTION ANNEALED<br>96-311034        |   |  |                               |           | 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><br><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  |                        |   |  |   |  |