

Business Unit / QCM

Avesta Works / Jerker Sterneland

Date Datum Date  
18-May-2021

Load, Ladung, Charge No  
IT/223845

Acknowledged ID, Bestätigung, Commande ID  
6610/360021356

|                                                                                                                                                              |                                                        |                                                                                                                                                                                                                                                                                                       |                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Your ref, Ihre Ref., Votre ref<br>510159                                                                                                                     |                                                        | Requirements, Anforderungen, Exigences<br>ASTM A240/A240M-20a<br>ASME BPVC SEC II PART A SA-240/SA-240M Ed 2019<br>EN 10088-2:2014<br>EN 10028-7:2016<br>AD 2000 W2, W10 & EN 10028-7<br>NACE MR0175 / ISO 15156-3:2015<br>EN 10088-4:2009<br>NACE MR0103 / ISO 17945:2015<br>MILL TOLERANCE STANDARD |                                                                                                   |
| Buyer, Besteller, Acheteur<br>OUTOKUMPU S.r.l.<br>VIA AGNELLO, 8<br>IT 20121, MILANO<br>ITALY                                                                |                                                        |                                                                                                                                                                                                                                                                                                       |                                                                                                   |
| Consignee, Empfänger, Lieu de livraison<br>OUTOKUMPU S.r.l.                                                                                                  |                                                        |                                                                                                                                                                                                                                                                                                       |                                                                                                   |
| Mark of Manufacturer<br>Zeichen des Lieferwerkes<br>Signe de producteur<br> | Process<br>Erschmelzungsart<br>Mode de fusion<br>E+AOD | Inspector's stamp<br>Zeichen des Sachverständigen<br>Poicon de l'expert<br>                                                                                                                                          | Grade, Werkstoff, Nuance<br>Outokumpu Core 304L/4307<br>TYPE 304<br>TYPE 304L<br>1.4301<br>1.4307 |

Product, Erzeugnisform, Produit  
Stainless Steel Hot Rolled, Coil  
finish 1D, cut edge

| Line<br>Reihe<br>Ligne | Item<br>Position<br>Poste | Heat-Lot No<br>Schmelz-Lot Nr<br>Coulée n° - Lot No | Size<br>Abmessungen<br>Dimensions | Pieces<br>Stückzahl<br>Nombre | Quantity / Unit<br>Menge / Einheit<br>Quantité / Unité |  |
|------------------------|---------------------------|-----------------------------------------------------|-----------------------------------|-------------------------------|--------------------------------------------------------|--|
| 1                      | 8                         | 30910-003                                           | 12,00 X 1500 mm                   | 1                             | 22910 KG                                               |  |

Chemical composition - Chemische Zusammensetzung - Composition chimiques

|      | C    | Si  | Mn   | P    | S    | Cr    | Ni   | Mo  | Ti   | Nb   | Cu  | Co  | N    |
|------|------|-----|------|------|------|-------|------|-----|------|------|-----|-----|------|
| Heat | .026 | .38 | 1.29 | .031 | .001 | 18.31 | 8.05 | .30 | .005 | .009 | .41 | .17 | .072 |

Radioactive contamination check acc. IAEA recommendations: Approved

Test results - Prüfergebnisse - Résultats des essais (1N/mm² = 1 MPa) F = Front - Anfan - Debut B = Back - Ende - Fin T = Transverse - Quer - Travers

| Test Ref | Temp | RP 0.2 | RP 1.0 | RM    | A5 | 2" | HB  |
|----------|------|--------|--------|-------|----|----|-----|
|          | °C   | N/MM2  | N/MM2  | N/MM2 | %  | %  | HB  |
| Min      | +20  | 230    | 260    | 520   | 45 | 40 |     |
| Max      |      |        |        | 700   |    |    | 201 |
| F T      | +20  | 335    | 370    | 627   | 58 | 61 | 192 |
| B T      |      | 335    | 372    | 625   | 59 | 62 | 187 |

Certified acc. to AD 2000-Merkblatt W0 by TÜV NORD, notified body, Reg-No. 0045

Material conforms to NACE MR0175 / ISO 15156-3 in supplied condition

Material conforms to NACE MR0103 / ISO 17945 in supplied condition

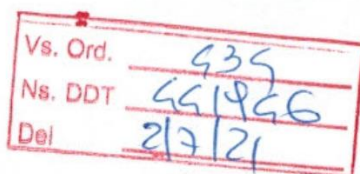
Corrosion acc. ASTM A 262-E, EN ISO 3651-2A: Approved

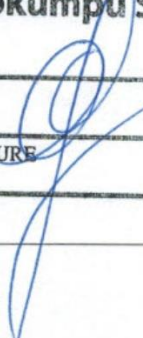
Heat treatment / Solution annealed: Material temp minimum 1040 °C / Quenched (forced air + water)

Steel grade verification (PMI-spectroscopic): Approved

Marking, visual insp. and gauge measurement: Approved

Certified acc. to PED 2014/68/EU by TÜV NORD, notified body, Reg-No. 0045



|                                                               |                                                                                       |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------|
| COPY CONFORMING<br>TO THE ORIGINAL<br><b>Outokumpu S.r.l.</b> |                                                                                       |
| NAME                                                          |                                                                                       |
| SIGNATURE                                                     |  |