



Aperam Stainless Services & Solutions Germany GmbH

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**TEST REPORT  
RELEVÉ DE CONTRÔLE  
WERKSZEUGNIS**

BL: 0388046 - 2

Date: 29/03/2018

According to / Selon / Nachdem  
EN 10204

|   |  |   |  |
|---|--|---|--|
| <b>Manufact. / Product. /Herstell.</b><br>APERAM STAINLESS S.ETS.INTERNATIONAL  |  | <b>Item / Article / Produkt</b><br>96-321009                                    |  |
| <b>Supplier Lot / Lot Fourn. / Band Nr</b><br>80212824  |  | SHEETS WN 4404 2B WITHOUT PAPER 1,0 X 1500,0 X 3000,0<br>007384-1/020/96-321009 |  |
| <b>Heat N° / N° de coulée / Schmelz Nr</b><br>802128  |  | <b>Customer / Client / Kunde</b><br>OVAKO METALS OY AB                          |  |
| <b>Steel Designation / Désignation Acier / Stahlbezeichnung</b><br>EN 10028-7 WNR 1.4404/1.4401<br>EN 10088-2 WNR 1.4404/1.4401<br>ASTM A 240(M) TYPE 316L/316<br>ASME SA 240 TYPE 316L/316 |  | <b>Order / Commande / Order</b><br>803823156 - 02                               |  |
|   |  | <b>Reference / Référence / Referenz</b><br>007384-1                             |  |

AD 2000 W2 -- AD 2000 W10 -- PED 2014/68/EU

**Mill Certificate / N° de Certificats / Prüfzeugnis Nr**  
18K0008120 18K0008120-CE

**Chemical Analysis / Analyse Chimique / Chemische Zusammensetzung**

|  | C     | Si  | Mn   | Ni    | Cr    | Mo   | Ti | N    | S     | P    | Cu | Al |  |  |  |  |
|--|-------|-----|------|-------|-------|------|----|------|-------|------|----|----|--|--|--|--|
| Cast Analysis<br>Analyse Coulée<br>Analyse | 0,023 | 0,5 | 1,34 | 10,05 | 16,56 | 2,03 |    | 0,04 | 0,001 | 0,03 |    |    |  |  |  |  |




**Mechanical Properties / Propriétés Mécaniques / Mechanische Werte EN 10002-1**




|  | Yield strength<br>Limite D'élasticité<br>Dehngrenze |       | Tensile strength<br>Résistance à la traction<br>Zugfestigkeit |     | Elongation after fracture (A)<br>Allongement après rupture<br>Bruchdehnung |       | Hardness<br>Dureté<br>Haerte | %   |
|--|---|-------|---|-----|--|-------|------------------------------|-----|
|  | MPA   | MPA   | MPA   | MPA | A5   | 50 mm |                              |     |
|  | Rp 0.2 %  | Rp 1% | Rm  |     |  |       | HRB                          | DDQ |
|  | 315   |       | 648   |     | 51   |       |                              | 48  |


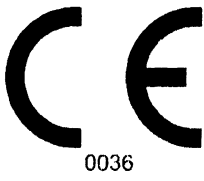
**Material identification / Identification Matière / Identifizierung Sachgebiet**

| Lot Nr<br>N° Lot<br>Los Nr | Weight<br>Poids<br>Gewicht |  | Lot Nr<br>N° Lot<br>Los Nr | Weight<br>Poids<br>Gewicht |  | Lot Nr<br>N° Lot<br>Los Nr | Weight<br>Poids<br>Gewicht |  | Lot Nr<br>N° Lot<br>Los Nr | Weight<br>Poids<br>Gewicht |
|----------------------------|----------------------------|--|----------------------------|----------------------------|--|----------------------------|----------------------------|--|----------------------------|----------------------------|
|                            | Kg                         |  |                            | Kg                         |  |                            | Kg                         |  |                            | Kg                         |
| 6368841                    | 1045                       |  |                            |                            |  |                            |                            |  |                            |                            |
| 6368842                    | 1044                       |  |                            |                            |  |                            |                            |  |                            |                            |

**Number of lots / Nombre de lots / Bunde Anzahl : 2**  
**Total weight / Poids Total / Gesamt Gewicht [Kg] : 2089**

|  |  |   |  |   |  |  |  |   |  |  |  |   |  |  |  |            |  |             |  |          |  |           |  |
|--|--|---|--|---|--|--|--|---|--|--|--|---|--|--|--|------------|--|-------------|--|----------|--|-----------|--|
|    |  | <b>MILL CERTIFICATE BS EN 10204/3.1</b><br><b>CERTIFICAT DE RECEPTION NF EN 10204/3.1</b><br><b>ABNAHMEPRUEFZEUGNIS DIN EN 10204/3.1</b>  |  |   |  |  |  |   |  |  |  | <b>N-Nr-N 18K0008120-01 V01</b>                                   |  |  |  |            |  |             |  |          |  |           |  |
|  |  | Certified acc.PED 2014/68/EU Annex 1 § 4.3 by Certification Body 0036 of TÜV SÜD Industrie Service GmbH with cert.No.:314/2007/MUC.Renounced of counter signature agreed by TÜV SÜD (9/5/2007).Approved acc.AD 2000-Merkblatt W0/TRD 100 by TÜV SÜD Industrie Service GmbH.Confirmation letter from TÜV SÜD Industrie Service GmbH of 07/05/2010 about the uniformity of coils acc.AD2000 W2 §4.1.1 |  |   |  |  |  |   |  |  |  |   |  |  |  |            |  |             |  |          |  |           |  |
| Correspondentieadres:<br>Aperam Genk<br>Swinnenvijerweg 5, Poort Genk 7523<br>3600 Genk, Belgium<br>Tel. +32 (0)89 30 21 11  |  | Tech. Req.: AD 2000 W2 -- AD 2000 W10 -- EN 13445-2   |  |   |  |  |  |   |  |  |  |   |  |  |  |            |  |             |  |          |  |           |  |
| <b>Manufacturer's works order number</b><br>N° de la commande usine productrice<br>Werksauftragsnummer<br><b>80419029/01-00137/986/01</b>  |  | <b>Surveyor's mark</b><br>Cachet de l'expert<br>Stempel des<br>Werksachverstaendigen<br>   |  | <b>Purchaser and/or consignee</b><br>Client et/ou destinataire<br>Besteller und/oder Empfänger<br>APERAM SS&S ERKRATH-B<br>Hildener Straße<br>40699 Erkrath<br>DEUTSCHLAND  |  |  |  | <b>Purchaser's order number</b><br>N° de commande client<br>Kundenbestellnummer<br><b>712763407</b> |  |  |  |   |  |  |  |            |  |             |  |          |  |           |  |
| <b>Product - Produit - Erzeugnis</b><br>COIL,COLD ROLLED,UNTRIMMED,FINISH 2B<br>COIL,LAMINE A FROID,BORDS NON REFENDUS, FINI 2B<br>CL,KALTGEW.,GEGLUeht+GEBELZT,LEICHT NACHGEW.,UNBESAUTM  |  |   |  |   |  |  |  | <b>Customer article number</b><br>N° article client<br>Artikelnummer des Kunden<br><b>ART230337</b> |  |  |  |   |  |  |  |            |  |             |  |          |  |           |  |
| <b>Steel designation</b><br>Désignation de l'acier<br>Stahlbezeichnung<br>EN 10028-7-2016 1.4404 / 1.4401<br>ASTM A 240-2016 TYPE 316L / 316<br>ASME SA 240-2015 TYPE 316L / 316<br>EN 10088-2-2014 1.4404 / 1.4401<br>EN 10088-4-2009 1.4404 / 1.4401 |  | <b>Finish</b><br>Présentation<br>Ausführung<br>2B<br>2B<br>2B<br>2B<br>2B   |  | <b>Steelmaking process</b><br>Mode d'élaboration de l'acier - Stahlerstellungverfahren<br>Prod.proces: Electric arc furnace - VOD/AOD - Continuous casting<br>Proc.fabric.: Four à arc - VOD/AOD - Coulée continue<br>Fertigungsablauf: Elektro-Ofen - VOD/AOD - Stranggussanlage |  |  |  | <b>Any supplementary requirements</b><br>Prescriptions supplémentaires - Zusätzliche Anforderungen  |  | <b>Product delivery condition</b><br>Etat de livraison du produit - Lieferzustand<br><b>Solution treated:</b><br>Hypertrempe: <b>1050 °C</b><br>Loesungsgegl+abgeschreckt:<br><b>Forced air-water/air forcé-eau</b><br>Geblaease Luft-Wasser   |  |   |  |  |  |            |  |             |  |          |  |           |  |
| ASME-CODE SECT.2 PART A // NACE MR 0175 / ISO 15156-1 / ISO 15156-3 -- NACE MR 0103 // CORR. TEST: ASTM A262-E: OK // CORROSION INTERGRANULAIRE SELON ISO 3651/2:OK  |  |   |  |   |  |  |  |   |  |  |  |   |  |  |  |            |  |             |  |          |  |           |  |
| <b>Identification of the product</b><br>Identification du produit - Identifizierung des Erzeugnisses<br><b>MELTED IN BELGIUM, MADE IN BELGIUM</b>  |  | <b>Dimensions</b><br>Dimensions - Abmessungen<br><b>Thickness</b><br>Epaisseur - Staerke<br>1.00 mm   |  |   |  | <b>Width</b><br>Largeur - Breite<br>1500.00 mm   |  | <b>Length</b><br>Longueur - Laenge  |  | <b>Number of pieces</b><br>Nb de pièces - Stueckzahl<br><b>1</b>   |  | <b>Net weight</b><br>Poids net - netto Gewicht<br><b>13900 KG</b> |  |  |  |            |  |             |  |          |  |           |  |
| <b>Coil n.</b><br>N Bobine - Band Nr.<br>80212824  |  | <b>Heat n.</b><br>N.Coulée - Schmelz Nr.<br>802128  |  |   |  |  |  |   |  |  |  |   |  |  |  |            |  |             |  |          |  |           |  |
| <b>CHEMICAL ANALYSIS - ANALYSE CHIMIQUE - CHEMISCHE ZUSAMMENSETZUNG</b>  |  |   |  |   |  |  |  |   |  |  |  |   |  |  |  |            |  |             |  |          |  |           |  |
|  |  | <b>C</b>  |  | <b>Si</b>   |  | <b>Mn</b>  |  | <b>Ni</b>   |  | <b>Cr</b>  |  | <b>Mo</b>   |  | <b>Ti</b>  |  | <b>N</b>   |  | <b>S</b>    |  | <b>P</b> |  | <b>Co</b> |  |
| <b>Required - Exigé</b><br>Anforderung. %mini %maxi  |  | 0.030   |  | 0.75  |  | 2.00   |  | 10.00<br>13.00  |  | 16.50<br>18.00   |  | 2.00<br>2.50  |  |  |  | 0.100      |  | 0.015       |  | 0.045    |  |           |  |
| <b>Cast Analysis</b><br>Analyse coulée<br>Analyse Schmelze   |  | 0.023   |  | 0.50  |  | 1.34   |  | 10.05   |  | 16.56  |  | 2.03  |  |  |  | 0.040      |  | 0.001       |  | 0.030    |  | 0.187     |  |
|  |  | C71   |  | C72   |  | C73  |  | C74   |  | C75  |  | C76   |  | C77  |  | C78        |  | C79         |  | C80      |  | C81       |  |
| Positive material identification carried out : OK<br>Tests de vérification de la conformité de la nuance fournie : OK<br>Verwechslungspruefung wurde durchgefuehrt : OK  |  |   |  |   |  |  |  |   |  |  |  |   |  | D52  |  |            |  |             |  |          |  |           |  |
| <b>Location (1)</b>  |  | <b>MECHANICAL PROPERTIES - PROPRIETES MECANQUES - MECHANISCHE WERTE</b> EN ISO 6892-1 B / A-SA 370  |  |   |  |  |  |   |  |  |  | C20   |  |  |  |            |  |             |  |          |  |           |  |
|  |  | Room temperature - Température ambiante - Raumtemperatur  |  |   |  |  |  |   |  |  |  | Test temperature (°C) :   |  | C03  |  |            |  |             |  |          |  |           |  |
| <b>Direction (2)</b><br>Direction des éprouvettes<br>Probenrichtung<br>T. Transverse - Travers - Quer<br>L. Longitudinal - Long - Laengs   |  | <b>Yield or proof strength</b><br>Limite d'élasticité<br>Dehngrenze<br>MPa  |  | <b>Tensile Strength</b><br>Résistance à la traction<br>Zugfestigkeit<br>MPa   |  | <b>Elongation after fracture</b><br>Allongement après rupt.<br>Bruchdehnung<br>%           |  | <b>Hardness</b><br>Dureté<br>Haerte   |  | <b>Yield or proof strength</b><br>Limite d'élasticité<br>Dehngrenze<br>MPa   |  | <b>Tensile str.</b><br>Résist. MPa<br>Zugfestigkeit               |  | <b>Elongation %</b><br>Allongement<br>Bruchdehnung |  |            |  |             |  |          |  |           |  |
|  |  | <b>Required</b><br>Exigé<br>Anforderung   |  | <b>Obtained</b><br>Obtenu<br>Ergebnisse   |  | <b>Rp0.2%</b><br><b>Rp1%</b>   |  | <b>Rm</b>   |  | <b>50mm</b><br><b>80mm</b>   |  | <b>H B</b>  |  | <b>Rp0.2%</b><br><b>Rp1%</b>                       |  | <b>Rm</b>  |  | <b>50mm</b> |  |          |  |           |  |
| <b>1</b><br><b>T</b>   |  | mini<br>maxi<br>240<br>270  |  | 315<br>327  |  | 530<br>680   |  | 40<br>40  |  | 217<br>151   |  | 48<br>147   |  | C31<br>C16   |  | C17<br>C18 |  | C19         |  |          |  |           |  |
| <b>Impact strength test</b><br>Essai de résilience<br>Kerbschlagzaehigkeitstest  |  | <b>C40</b><br>t(°c)   |  | <b>C44</b>  |  | <b>EN ISO 3651/2 - A:OK</b>  |  | <b>48</b>   |  | <b>C50</b><br><b>C51</b>   |  | <b>C52</b>  |  | <b>C53</b><br><b>C54</b>                           |  | <b>C55</b> |  | <b>C05</b>  |  |          |  |           |  |
|  |  | C42   |  |   |  | D51  |  |   |  | A:   |  | B:  |  | C:   |  | D:         |  | C57         |  |          |  |           |  |
| <b>Location of the sample (1)</b><br>Emplacement de l'échantillon<br>Lage des Probenabschnittes<br>1. Front - Début - Anfang<br>2. Back - Fin - Ende<br>3. Middle - Milieu - Mitte   |  | <b>The delivery is in accordance with the order</b><br>La fourniture est conforme aux exigences de la commande<br>Die lieferung entspricht den Bestellbedingungen   |  |   |  | <b>Packing list</b><br>Avis d'expédition<br><b>2018029603-100052</b><br>Lieferscheinnummer |  |   |  | <b>Organisation inspection</b><br>Organisme et/ou service contrôle<br>Ueberwachungsabteilung<br>Quality Department<br>16/2/2018<br><b>The inspector</b><br>Le responsable<br>Der Werksachverstaendige<br><br><b>D. Raemaekers</b> |  |   |  |  |  |            |  |             |  |          |  |           |  |
|  |  | C01   |  |   |  | Z01  |  |   |  | A10  |  |   |  | A05  |  |            |  |             |  |          |  |           |  |
| <b>Direction of the test pieces (2)</b><br>Orientation des éprouvettes<br>Probenrichtung<br>T. Transverse - Travers - Quer<br>L. Longitudinal - Long - Laengs  |  | <b>Marking, inspection and measurement : without objection</b><br>Contrôle de marquage, d'aspect et de dimensions : satisfaisants<br>Pruefung der Stempelung, des Oberflaechenaspekts und der<br>Abmessungen : ohne Beanstandung  |  |   |  | D01  |  |   |  | Z02  |  |   |  |  |  |            |  |             |  |          |  |           |  |

|  <p>Correspondentieadres:<br/>Aperam Genk<br/>Swinnenvijerweg 5, Poort Genk 7523<br/>3600 Genk, Belgium<br/>Tel. +32 (0)89 30 21 11</p>  |       | <b>MILL CERTIFICATE BS EN 10204/3.1</b><br><b>CERTIFICAT DE RECEPTION NF EN 10204/3.1</b><br><b>ABNAHMEPRUEFZEUGNIS DIN EN 10204/3.1</b>   |      |  |       |   |     |  |       |   |       | N-Nr-N 18K0008120-CE V01                            |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|--|-------|--|------|--|-------|---|-----|--|-------|---|-------|---|-----|--|-----|-----|----|----|----|----|----|---|---|---|----|--|--|--|--|-------------------------|--|--|--|-------|-------|------|--|--|--|--|--|--|--|--|--|--------------|-------|------|------|-------|-------|------|--|-------|-------|-------|--|--|--|--|--|--------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------------|-------|------|------|-------|-------|------|--|-------|-------|-------|-------|--|--|--|--|-----------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|  |       | Factory Production Control certified by TUV SUD Industrie Service GmbH<br>with certificate nr 0036-CPR-M-043-2011.<br>In compliance with the Construction Product Regulation Nr 305/2011/EU. |      |  |       |   |     |  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>Manufacturer's works order number</b><br>N° de la commande usine productrice<br>Werksauftragsnummer<br><b>80419029/01-00137/986/01</b>  |       | <b>Surveyor's mark</b><br>Cachet de l'expert<br>Stempel des<br>Werksachverstaendigen<br>                    |      | <b>Purchaser and/or consignee</b><br>Client et/ou destinataire<br>Besteller und/oder Empfaenger<br><b>APERAM SS&amp;S ERKRATH-B</b><br>Hildener Straße<br>40699 Erkrath<br>DEUTSCHLAND   |       |   |     | <b>Purchaser's order number</b><br>N° de commande client<br>Kundenbestellnummer<br><b>712763407</b>  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>Product - Produit - Erzeugnis</b><br>COIL,COLD ROLLED,UNTRIMMED,FINISH 2B<br>COIL,LAMINE A FROID,BORDS NON REFENDUS, FINI 2B<br>CL.KALTGEW.,GELUEHT+GEBEIZT,LEICHT NACHGEW.,UNBESAUTM   |       |  |      |  |       | <b>Customer article number</b><br>N° article client<br>Artikelnummer des Kunden<br><b>ART230337</b> |     |  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>Steel designation</b><br>Désignation de l'acier<br>Stahlbezeichnung<br>EN 10088-4-2009 1.4404/1.4401  |       | <b>Finish</b><br>Présentation<br>Ausführung<br>2B  |      | <b>Steelmaking process</b><br>Mode d'élaboration de l'acier - Stahlherstellungverfahren<br>Prod.proces: Electric arc furnace - VOD/AOD - Continuous casting<br>Proc.fabric.: Four à arc - VOD/AOD - Coulée continue<br>Fertigungsablauf: Elektro-Ofen - VOD/AOD - Stranggussanlage |       |   |     | <b>Product delivery condition</b><br>Etat de livraison du produit - Lieferzustand<br><b>Solution treated:</b><br>Hypertrempe: <b>1050 °C</b><br>Loesungsgegl+abgeschreckt:<br><b>Forced air-water/air forcé-eau</b><br>Gebläse Luft-Wasser |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>Identification of the product</b><br>Identification du produit - Identifizierung des Erzeugnisses<br><b>MELTED IN BELGIUM, MADE IN BELGIUM</b>  |       |  |      |  |       |   |     |  |       |   |       | <b>Dimensions</b><br>Dimensions - Abmessungen       |     | <b>Number of pieces</b><br>Nb de pièces - Stueckzahl<br><b>1</b> |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>Coil n.</b><br>N.Bobine - Band Nr.<br>80212824  |       | <b>Heat n.</b><br>N.Coulée - Schmelz Nr.<br>802128   |      | <b>Thickness</b><br>Epaisseur - Staerke<br>1.00 mm   |       | <b>Width</b><br>Largeur - Breite<br>1500.00 mm  |     | <b>Length</b><br>Longueur - Laenge   |       | <b>Net weight</b><br>Poids net - netto Gewicht<br><b>13900 KG</b>       |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>CHEMICAL ANALYSIS - ANALYSE CHIMIQUE - CHEMISCHE ZUSAMMENSETZUNG</b>  |       |  |      |  |       |   |     |  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <table border="1"> <thead> <tr> <th></th> <th>C</th> <th>Si</th> <th>Mn</th> <th>Ni</th> <th>Cr</th> <th>Mo</th> <th>Ti</th> <th>N</th> <th>S</th> <th>P</th> <th>Co</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td><b>Required - Exigé</b></td> <td></td> <td></td> <td></td> <td>10.00</td> <td>16.50</td> <td>2.00</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>%mini</b></td> <td>0.030</td> <td>0.75</td> <td>2.00</td> <td>13.00</td> <td>18.00</td> <td>2.50</td> <td></td> <td>0.100</td> <td>0.015</td> <td>0.045</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>%maxi</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Cast Analysis</b></td> <td>0.023</td> <td>0.50</td> <td>1.34</td> <td>10.05</td> <td>16.56</td> <td>2.03</td> <td></td> <td>0.040</td> <td>0.001</td> <td>0.030</td> <td>0.187</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Analyse coulée</b></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><b>Analyse Schmelze</b></td> <td>C71</td> <td>C72</td> <td>C73</td> <td>C74</td> <td>C75</td> <td>C76</td> <td>C77</td> <td>C78</td> <td>C79</td> <td>C80</td> <td>C81</td> <td>C82</td> <td>C83</td> <td>C84</td> <td>C85</td> <td>C86</td> </tr> </tbody> </table> |       |  |      |  |       |   |     |  |       |   |       |   |     |  | C   | Si  | Mn | Ni | Cr | Mo | Ti | N | S | P | Co |  |  |  |  | <b>Required - Exigé</b> |  |  |  | 10.00 | 16.50 | 2.00 |  |  |  |  |  |  |  |  |  | <b>%mini</b> | 0.030 | 0.75 | 2.00 | 13.00 | 18.00 | 2.50 |  | 0.100 | 0.015 | 0.045 |  |  |  |  |  | <b>%maxi</b> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>Cast Analysis</b> | 0.023 | 0.50 | 1.34 | 10.05 | 16.56 | 2.03 |  | 0.040 | 0.001 | 0.030 | 0.187 |  |  |  |  | <b>Analyse coulée</b> |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | <b>Analyse Schmelze</b> | C71 | C72 | C73 | C74 | C75 | C76 | C77 | C78 | C79 | C80 | C81 | C82 | C83 | C84 | C85 | C86 |
|  | C     | Si   | Mn   | Ni   | Cr    | Mo  | Ti  | N  | S     | P   | Co    |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>Required - Exigé</b>  |       |  |      | 10.00  | 16.50 | 2.00  |     |  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>%mini</b>   | 0.030 | 0.75   | 2.00 | 13.00  | 18.00 | 2.50  |     | 0.100  | 0.015 | 0.045   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>%maxi</b>   |       |  |      |  |       |   |     |  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>Cast Analysis</b>   | 0.023 | 0.50   | 1.34 | 10.05  | 16.56 | 2.03  |     | 0.040  | 0.001 | 0.030   | 0.187 |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>Analyse coulée</b>  |       |  |      |  |       |   |     |  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>Analyse Schmelze</b>  | C71   | C72  | C73  | C74  | C75   | C76   | C77 | C78  | C79   | C80   | C81   | C82   | C83 | C84  | C85 | C86 |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Positive material identification carried out : OK<br>Tests de vérification de la conformité de la nuance fournie : OK<br>Verwechslungsprüfung wurde durchgeführt : OK  |       |  |      |  |       |   |     |  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>Location (1)</b><br><b>MECHANICAL PROPERTIES - PROPRIETES MECANIKES - MECHANISCHE WERTE</b> EN ISO 6892-1 B / A-SA 370  |       |  |      |  |       |   |     |  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| Room temperature - Température ambiante - Raumtemperatur   |       |  |      |  |       |   |     |  |       | Test temperature (°C) :   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>Direction (2)</b><br>Required<br>Exigé<br>Anforderung   |       | <b>Yield or proof strength</b><br>Limite d'élasticité<br>Dehngrenze MPa  |      | <b>Tensile Strength</b><br>Résistance à la traction<br>Zugfestigkeit MPa   |       | <b>Elongation after fracture</b><br>Allongement après rupt.<br>Bruchdehnung %                       |     | <b>Hardness</b><br>Dureté<br>Haerte  |       | <b>Yield or proof strength</b><br>Limite d'élasticité<br>Dehngrenze MPa |       | <b>Tensile str.</b><br>Résist. MPa<br>Zugfestigkeit |     | <b>Elongation %</b><br>Allongement.<br>Bruchdehnung              |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|  |       | <b>Rp0.2%</b>  |      | <b>Rp1%</b>  |       | <b>Rm</b>   |     | <b>HB</b>  |       | <b>Rp0.2%</b>   |       | <b>Rp1%</b>   |     | <b>Rm</b>  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 1  |       | 240  |      | 270  |       | 530   |     | 217  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 2  |       | 315  |      | 327  |       | 648   |     | 151  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|  |       |  |      |  |       |   |     | 147  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|  |       |  |      |  |       |   |     | C31  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>Impact strength test</b><br>Essai de résilience<br>Kerbschlagzähigkeitstest   |       |  |      | <b>Corrosion test</b><br>Test de corrosion<br>Korrosionstest   |       |   |     | E0.2(T)/R(T)<br>%  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| C40 (t(°c)) C44  |       |  |      | <b>EN ISO 3651/2 - A:OK</b>  |       |   |     | 48   |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| C42  |       |  |      | D51  |       |   |     | C50  |       | C51   |       | C52   |     | C53  |     | C54 |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|  |       |  |      |  |       |   |     |  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>Location of the sample (1)</b><br>Emplacement de l'échantillon<br>Lage des Probenabschnittes<br>1. Front - Début - Anfang<br>2. Back - Fin - Ende<br>3. Middle - Milieu - Mitte   |       |  |      | <b>The delivery is in accordance with the order</b><br>La fourniture est conforme aux exigences de la commande<br>Die Lieferung entspricht den Bestellbedingungen  |       |   |     | <b>Organisation inspection</b><br>Organisme et/ou service contrôle<br>Ueberwachungsabteilung   |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| C01  |       |  |      | Z01  |       |   |     | A05  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| <b>Direction of the test pieces (2)</b><br>Orientation des éprouvettes<br>Probenrichtung<br>T. Transverse - Travers - Quer<br>L. Longitudinal - Long - Laengs  |       |  |      | <b>Marking, inspection and measurement : without objection</b><br>Contrôle de marquage, d'aspect et de dimensions : satisfaisants<br>Prüfung der Stempelung, des Oberflächenaspekts und der<br>Abmessungen : ohne Beanstandung   |       |   |     | <b>Quality Department</b><br>16/2/2018<br><br><b>The inspector</b><br>Le responsable<br>Der Werksachverstaendige                                      |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| C02  |       |  |      | D01  |       |   |     | Z02  |       |   |       |   |     |  |     |     |    |    |    |    |    |   |   |   |    |  |  |  |  |                         |  |  |  |       |       |      |  |  |  |  |  |  |  |  |  |              |       |      |      |       |       |      |  |       |       |       |  |  |  |  |  |              |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                      |       |      |      |       |       |      |  |       |       |       |       |  |  |  |  |                       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                         |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

|  |   |  |  |  |  |  |
|--|---|--|--|--|--|--|
| <br><br><b>Correspondance address</b><br>Adresse de correspondance - Adresse für briefwechsel<br><br>Swinnenwijerweg 5, Poort Genk 7523<br>3600 Genk, Belgium   | <b>Annex to certificate</b> <b>18K0008120-01 V01</b><br>Annexe du CCPU<br>Anlage Zum Zeugnis<br><br>CE02  |  | <b>Certificate</b><br>CCPU - Zeugnis<br><br><b>18K0008120-CE V01</b><br><br>CE05   |  |  |  |
|  | <b>Certificate of Production Control Number</b><br>Numéro du certificat de contrôle de la production<br>Zeugnisnummer von Produktionskontrolle<br>0036-CPD-43-2011<br><br>CE03  |  | <br><br>CE06  |  |  |  |
|  | <b>Year</b> 11<br>Année<br>Jahr<br><br>CE01   |  |  | CE04   |  |  |
| <b>Manufacturer's works order number</b><br>N° de la commande usine productrice<br>Werksauftragsnummer<br><br><b>80419029/01-00137/986/01</b><br><br>CE07  | <b>Purchaser and/or consignee</b><br>Client et/ou destinataire<br>Besteller und/oder Empfänger<br><br><b>APERAM SS&amp;S ERKRATH-B</b><br>Hildener Straße<br><br>40699 Erkrath<br>DEUTSCHLAND<br><br>CE08   |  | <b>Purchaser's order number</b><br>N° de commande client<br>Kundenbestellnummer<br>712763407<br><br>CE09<br><br><b>Customer article number</b><br>N° d'article client<br>Artikelnummer des Kunden<br>ART230337<br><br>CE10 |  |  |  |
| <b>Identification of the product</b><br>Identificaion du produit - Identifizierung des Erzeugnisses<br><br><b>Coil n°</b><br>N° de bobine - Band Nr<br><b>80212824</b><br><br>CE11   | <b>Dimensions</b><br>Dimensions - Abmessungen<br><br><table border="1"> <tr> <td><b>Thickness</b><br/>Epaisseur - Dicke<br/>1.00 mm<br/>CE12</td> <td><b>Width</b><br/>Largeur - Breite<br/>1500.00 mm<br/>CE13</td> <td><b>Length</b><br/>Longueur - Laenge<br/>CE14</td> </tr> </table> |  |  | <b>Thickness</b><br>Epaisseur - Dicke<br>1.00 mm<br>CE12 | <b>Width</b><br>Largeur - Breite<br>1500.00 mm<br>CE13 | <b>Length</b><br>Longueur - Laenge<br>CE14 |
| <b>Thickness</b><br>Epaisseur - Dicke<br>1.00 mm<br>CE12   | <b>Width</b><br>Largeur - Breite<br>1500.00 mm<br>CE13  | <b>Length</b><br>Longueur - Laenge<br>CE14 |  |  |  |  |
| Stainless steel / Acier inoxydable / Rostfreier Stahl<br><br>CE15  |   |  |  |  |  |  |
| EN10088-4<br><br>CE16  |   |  |  |  |  |  |
| <b>Intended uses : building constructions or civil engineering</b><br>Usages prévus : construction immobilière ou génie civil<br>Vorgesehene Verwendungen : Hochbauten und Ingenieurbauwerke<br><br>CE17   |   |  |  |  |  |  |
| <b>Declaration of performance :</b><br>Déclaration des performances :      DOP.Nr.GNK.08.01/GNK.10.01<br>Leistungserklärung :<br>DoP available on website Aperam : <a href="http://www.aperam.com/europe/news-publications/documentation/certifications/approvals">www.aperam.com/europe/news-publications/documentation/certifications/approvals</a><br><br>CE18  |   |  |  |  |  |  |
| <b>Steel</b><br>Acier      1.4404/1.4401<br>Werkstoff<br><br>CE19  |   |  |  |  |  |  |
| <b>Cold rolled</b><br>Laminé à froid<br>Kaltgewalzt<br><br>CE20  |   |  |  |  |  |  |
| <b>Coil / bobine / Band</b><br><br>CE21  |   |  |  |  |  |  |
| <b>Elongation / Allongement / Bruchdehnung</b><br><b>Tensile strength / Résistance à la traction / Zugfestigkeit</b><br><b>Yield strength / Limite d'élasticité / Dehngrenze</b><br><b>Impact strength / Résistance au choc / Kerbschlagzähigkeit</b><br><b>Weldability / Aptitude au soudage / Schweisseignung</b><br><b>Durability / Durabilité / Dauerhaftigkeit</b><br>Characteristics expressed as indicated in the above mentioned DOP<br>Tolerances on dimension and shape / Tolérances sur les dimensions et sur forme / Grenzabmasse und Formtoleranzen : EN ISO 9445<br><br>CE22 |   |  |  |  |  |  |
| <b>Regulated substance : no performance determined</b><br>Substance réglementée : aucune performance déterminée<br>Regulierter Stoff: keine Leistung festgestellt<br><br>CE23  |   |  |  |  |  |  |