



Aperam Stainless Services & Solutions Germany GmbH

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**TEST REPORT  
RELEVÉ DE CONTRÔLE  
WERKSZEUGNIS**

According to / Selon / Nachdem  
EN 10204

BL: 0005357 - 1

Date: 04/12/2019

|   |  |  |  |
|---|--|--|--|
| <b>Manufact. / Product. /Herstell.</b><br>APERAM STAINLESS S.ETS.INTERNATIONAL  |  | <b>Item / Article / Produkt</b><br>96-321021                     |  |
| <b>Supplier Lot / Lot Fourn. / Band Nr</b><br>061323  |  | SHEETS WN 4404 2B WITHOUT PAPER 4,0 X 1500,0 X 3000,0 MARK OF GO |  |
| <b>Heat N° / N° de coulée / Schmelz Nr</b><br>936116  |  | <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>911878348 - 01                |  |
|   |  | <b>Reference / Référence / Referenz</b><br>013659                |  |

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

**Mill Certificate / N° de Certificats / Prüfzeugnis Nr**  
1910608992 1910608992-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 | 0,028 | 0,52 | 1,26 | 10,04 | 16,56 | 2,02 |    | 0,027 | 0,002 | 0,037 |    |    |  |  |  |  |

**Mechanical Properties / Propriétés Mécaniques / Mechanische Werte EN ISO 6892-1 B**


|  | Yield strength<br>Limite D'élasticité<br>Dehngrenze MPA |       | Tensile strength<br>Résistance à la traction<br>Zugfestigkeit MPA | Elongation after fracture (A)<br>Allongement après rupture<br>Bruchdehnung % |       | Hardness<br>Dureté<br>Haerte | % |
|--|---|-------|---|--|-------|------------------------------|---|
|  | Rp 0.2 %  | Rp 1% | Rm  | A5   | 50 mm | HRB                          |   |
|  | 331   |       | 650   |  | 47    | 83                           |   |


**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 | Lot Nr<br>N° Lot<br>Los Nr | Weight<br>Poids<br>Gewicht |
|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                            | Kg                         |                            | Kg                         |                            | Kg                         |                            | Kg                         |                            | Kg                         |
| T022463                    | 992                        |                            |                            |                            |                            |                            |                            |                            |                            |
| T022464                    | 992                        |                            |                            |                            |                            |                            |                            |                            |                            |

Number of lots / Nombre de lots / Bunde Anzahl : 2

Total weight / Poids Total / Gesamt Gewicht [Kg] : 1984

|   |  |   |  |   |  |  |  |   |  |  |  |  |  |   |  |               |  |             |  |           |  |           |  |
|---|--|---|--|---|--|--|--|---|--|--|--|--|--|---|--|---------------|--|-------------|--|-----------|--|-----------|--|
| <br>Aperam - Stainless France<br>Aperam Isbergues<br>62330 Isbergues<br>FRANCE  |  | <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 <b>19I0608992-01 V01</b>                                      |  |   |  |               |  |             |  |           |  |           |  |
|   |  | Ausgestellt im Einvernehmen mit dem TÜV SÜD - Auf Gegenzeichnung wird verzichtet<br>Issued in accordance with TÜV SÜD - Verification is not required<br>Etabli en accord avec le TÜV SÜD - Dispense de contresignature<br>AD 2000 Merkblatt W0 - PED 2014/68 EU Annex I.Point 4.3 |  |   |  |  |  |   |  |  |  |  |  |   |  |               |  |             |  |           |  |           |  |
| <b>Manufacturer's works order number</b><br>N° de la commande usine productrice<br>Werkauftragsnummer<br><b>80542186 /01-76620/1</b>  |  | <b>Surveyor's mark</b><br>Cachet de l'expert<br>Stempel des<br>Werkssachverstaendigen<br><br><b>UI2</b>   |  | <b>Purchaser and/or consignee</b><br>Client et/ou destinataire<br>Besteller und/oder Empfaenger<br><br><b>APERAM SS&amp;S ERKRATH</b><br>Hildener Straße 28<br><br>40699 Erkrath<br>ALLEMAGNE   |  |  |  | <b>Purchaser's order number</b><br>N° de commande client<br>Kundenbestellnummer<br><b>910845981</b>   |  |  |  |  |  |   |  |               |  |             |  |           |  |           |  |
| <b>Product - Produit - Erzeugnis</b><br>COLD-ROLLED COIL<br>BOBINE LAMINEE A FROID<br>KALTGEWALZTES BAND  |  |   |  | <b>Any supplementary requirements</b><br>Prescriptions supplémentaires - Zusätzliche Anforderungen  |  |  |  | <b>Customer article number</b><br>N.article client<br>Artikelnummer des Kunden<br><b>ART291266</b>  |  |  |  |  |  |   |  |               |  |             |  |           |  |           |  |
| <b>Steel designation</b><br>Désignation de l'acier<br>Stahlbezeichnung<br><br>EN 10028-7 / 16 - W2-W10 -1.4404 -1.4401<br>EN 10088-2 / 14 - 1.4404 -1.4401<br>ASTM A 240 / 18 - TYPE 316L -TYPE 316<br>ASME SA 240 / 19 - TYPE 316L -TYPE 316<br>EN 10088-4 / 09 - 1.4404 -1.4401 |  | <b>Finish</b><br>Présentation<br>Ausführung<br><br>2B<br>2B<br>2B<br>2B<br>2B   |  | <b>Steelmaking process</b><br>Mode d'élaboration de l'acier - Stahlherstellungsverfahren<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><br><b>Solution treated</b><br>Hypertrempe : <b>1040 C MINI</b><br>Loesungsgegl+abgeschreckt |  |  |  |  |  |   |  |               |  |             |  |           |  |           |  |
| CORROSION INTERGRANULAIRE SELON ISO 3651/2 : OK / ASME-CODE SECT.2 PART A / NACE MR 0175 / ISO 15156-1 / ISO 15156-3 -- NACE MR 0103 / ISO 17945 / AST<br>M A480 / A480M -- ASME SA 480/SA 480M / CORR. TEST:ASTM A 262-E: OK /   |  |   |  |   |  |  |  |   |  |  |  |  |  |   |  |               |  |             |  |           |  |           |  |
| <b>Identification of the product</b><br>Identification du produit - Identifizierung des Erzeugnisses<br><b>MELTED IN BELGIUM, MADE IN FRANCE</b>  |  | <b>Dimensions</b><br>Dimensions - Abmessungen<br><br><b>Thickness</b> B09<br>Epaisseur - Staerke<br>4,000 mm  |  |   |  |  |  | <b>Width</b> B10<br>Largeur - Breite<br>1500,00 mm  |  | <b>Length</b> B11<br>Longueur - Laenge   |  | <b>Number of pieces</b> B08<br>Nb de pièces - Stueckzahl<br><b>1</b> |  |   |  |               |  |             |  |           |  |           |  |
| <b>Coil n.</b><br>N.Bobine - Band Nr.<br>61323  |  | <b>Heat n.</b><br>N.Coulée - Schmelz Nr.<br>936116  |  |   |  |  |  |   |  | <b>Net weight</b> B13<br>Poids net - netto Gewicht<br><b>12810 KGS</b>   |  |  |  |   |  |               |  |             |  |           |  |           |  |
| <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> %mini<br>Anforderung. %maxi  |  | 0,030   |  | 0,75  |  | 2,00   |  | 10,00<br>13,00  |  | 16,50<br>18,00   |  | 2,000<br>2,500   |  |   |  | 0,100         |  | 0,0150      |  | 0,045     |  |           |  |
| Cast Analysis<br>Analyse coulée<br>Analyse Schmelze   |  | 0,028   |  | 0,52  |  | 1,26   |  | 10,04   |  | 16,56  |  | 2,020  |  |   |  | 0,027         |  | 0,0023      |  | 0,037     |  | 0,310     |  |
| Positive material identification carried out : OK<br>Tests de vérification de la conformité de la nuance fournie : OK<br>Verwechslungsprüfung wurde durchgeführt : OK   |  |   |  |   |  |  |  |   |  |  |  |  |  |   |  |               |  |             |  |           |  |           |  |
| Location (1)  |  | <b>MECHANICAL PROPERTIES - PROPRIETES MECANIQUES - MECHANISCHE WERTE</b>  |  |   |  |  |  |   |  |  |  |  |  |   |  |               |  |             |  |           |  |           |  |
|   |  | Room temperature - Température ambiante - Raumtemperatur  |  |   |  |  |  |   |  |  |  | Test temperature (°C) :  |  |   |  |               |  |             |  |           |  |           |  |
| Direction (2)   |  | <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>Required</b><br>Exigé<br>Anforderung   |  | <b>Rp0.2%</b>   |  | <b>Rp1%</b>  |  | <b>Rm</b>   |  | <b>5,65</b>  |  | <b>50mm</b>  |  | <b>HRBW</b>   |  | <b>Rp0.2%</b> |  | <b>Rp1%</b> |  | <b>Rm</b> |  |           |  |
|   |  | mini<br>maxi  |  | 240   |  | 270  |  | 530<br>680  |  | 40   |  | 40   |  | 95  |  |               |  |             |  |           |  |           |  |
| <b>1</b>  |  | <b>T</b>  |  | <b>Obtained</b><br>Obtenu<br>Ergebnisse   |  | 331  |  | 366   |  | 650  |  | 49   |  | 47  |  | 83            |  |             |  |           |  |           |  |
| <b>2</b>  |  | <b>T</b>  |  |   |  |  |  |   |  |  |  |  |  | 82  |  |               |  |             |  |           |  |           |  |
| Impact strength test<br>Essai de résilience<br>Kerbschlagzähigkeitstest   |  |   |  |   |  |  |  |   |  |  |  |  |  |   |  |               |  |             |  |           |  |           |  |
|   |  | C40 (t(°c)  |  | C44   |  |  |  |   |  |  |  |  |  |   |  |               |  |             |  |           |  |           |  |
|   |  |   |  |   |  |  |  |   |  |  |  |  |  |   |  |               |  |             |  |           |  |           |  |
|   |  |   |  |   |  |  |  |   |  |  |  |  |  |   |  |               |  |             |  |           |  |           |  |
| Location of the sample (1)<br>Emplacement de l'échantillon<br>Lage des Probenabschnittes<br>1. Front - Début - Anfang<br>2. Back - Fin - Ende<br>3. Middle - Milieu - Mitte   |  | The delivery is in accordance with the order<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>Lieferscheinnummer<br><b>191008I01067-102381</b> |  |   |  | <b>Organisation inspection</b><br>Organisme et/ou service contrôle<br>Ueberwachungsabteilung<br><br>Quality Control<br>09/10/2019<br><b>Laurent DUBOIS</b><br>The inspector<br>Le responsable<br>Der Werkssachverstaendige |  |  |  |   |  |               |  |             |  |           |  |           |  |
| Direction of the test pieces (2)<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  |  |   |  |  |  |   |  |  |  |  |  |   |  |               |  |             |  |           |  |           |  |

|   |  |   |  |   |  |   |  |   |  |   |  |  |  |   |  |          |  |          |  |          |  |           |  |
|---|--|---|--|---|--|---|--|---|--|---|--|--|--|---|--|----------|--|----------|--|----------|--|-----------|--|
| <br>Aperam - Stainless France<br>Aperam Isbergues<br>62330 Isbergues<br>FRANCE  |  | <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 <b>19I0608992-CE V01</b>                                      |  |   |  |          |  |          |  |          |  |           |  |
|   |  | Factory Production Control certified by TUV<br>with certificate nr 0036-CPR-M-041-2011<br>In compliance with Regulation 305/2011/EU of the European Parliament and of the<br>Council of March 09th, 2011 (Construction Products Regulation - CPR) |  |   |  |   |  |   |  |   |  |  |  |   |  |          |  |          |  |          |  |           |  |
| ISO 9001:2015 - IATF 16949:2016 - ISO 14001:2015  |  |   |  |   |  |   |  |   |  |   |  |  |  |   |  |          |  |          |  |          |  |           |  |
| <b>Manufacturer's works order number</b><br>N° de la commande usine productrice<br>Werkauftragsnummer<br><b>80542186 /01-76620/1</b>  |  | <b>Surveyor's mark</b><br>Cachet de l'expert<br>Stempel des<br>Werkssachverstaendigen<br><br><b>UI2</b>   |  | <b>Purchaser and/or consignee</b><br>Client et/ou destinataire<br>Besteller und/oder Empfaenger<br><br><b>APERAM SS&amp;S ERKRATH</b><br>Hildener Straße 28<br><br>40699 Erkrath<br>ALLEMAGNE   |  |   |  | <b>Purchaser's order number</b><br>N° de commande client<br>Kundenbestellnummer<br><b>910845981</b>   |  |   |  |  |  |   |  |          |  |          |  |          |  |           |  |
| <b>Product - Produit - Erzeugnis</b><br>COLD-ROLLED COIL<br>BOBINE LAMINEE A FROID<br>KALTGEWALZTES BAND  |  |   |  |   |  |   |  | <b>Customer article number</b><br>N.article client<br>Artikelnummer des Kunden<br><b>ART291266</b>  |  |   |  |  |  |   |  |          |  |          |  |          |  |           |  |
| <b>Steel designation</b><br>Désignation de l'acier<br>Stahlbezeichnung<br><br>EN 10028-7 / 16 - W2-W10 -1.4404 -1.4401<br>EN 10088-2 / 14 - 1.4404 -1.4401<br>ASTM A 240 / 18 - TYPE 316L -TYPE 316<br>ASME SA 240 / 19 - TYPE 316L -TYPE 316<br>EN 10088-4 / 09 - 1.4404 -1.4401 |  | <b>Finish</b><br>Présentation<br>Ausführung<br><br>2B<br>2B<br>2B<br>2B<br>2B   |  | <b>Steelmaking process</b><br>Mode d'élaboration de l'acier - Stahlherstellungsverfahren<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><br><b>Solution treated</b><br>Hypertrempe : <b>1040 C MINI</b><br>Loesungsgegl+abgeschreckt |  |   |  |  |  |   |  |          |  |          |  |          |  |           |  |
|   |  |   |  | <b>Any supplementary requirements</b><br>Prescriptions supplémentaires - Zusätzliche Anforderungen  |  |   |  | <b>Forced Air</b><br>Air forcé Geblaese Luft  |  |   |  |  |  |   |  |          |  |          |  |          |  |           |  |
| CORROSION INTERGRANULAIRE SELON ISO 3651/2 : OK / ASME-CODE SECT.2 PART A / NACE MR 0175 / ISO 15156-1 / ISO 15156-3 -- NACE MR 0103 / ISO 17945 / AST<br>M A480 / A480M -- ASME SA 480/SA 480M / CORR. TEST:ASTM A 262-E: OK /   |  |   |  |   |  |   |  |   |  |   |  |  |  |   |  |          |  |          |  |          |  |           |  |
| <b>Identification of the product</b><br>Identification du produit - Identifizierung des Erzeugnisses<br><b>MELTED IN BELGIUM, MADE IN FRANCE</b>  |  | <b>Dimensions</b><br>Dimensions - Abmessungen<br><br><b>Thickness</b> B09<br>Epaisseur - Staerke<br>4,000 mm  |  |   |  |   |  | <b>Width</b> B10<br>Largeur - Breite<br>1500,00 mm  |  | <b>Length</b> B11<br>Longueur - Laenge                                  |  | <b>Number of pieces</b> B08<br>Nb de pièces - Stueckzahl<br><b>1</b> |  |   |  |          |  |          |  |          |  |           |  |
| <b>Coil n.</b><br>N.Bobine - Band Nr.<br>61323  |  | <b>Heat n.</b><br>N.Coulée - Schmelz Nr.<br>936116  |  |   |  |   |  |   |  | <b>Net weight</b> B13<br>Poids net - netto Gewicht<br><b>12810 KGS</b>  |  |  |  |   |  |          |  |          |  |          |  |           |  |
| <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 %mini</b><br>Anforderung. %maxi  |  | 0,030   |  | 0,75  |  | 2,00  |  | 10,00<br>13,00  |  | 16,50<br>18,00  |  | 2,000<br>2,500   |  |   |  | 0,100    |  | 0,0150   |  | 0,045    |  |           |  |
| Cast Analysis<br>Analyse coulée<br>Analyse Schmelze   |  | 0,028   |  | 0,52  |  | 1,26  |  | 10,04   |  | 16,56   |  | 2,020  |  |   |  | 0,027    |  | 0,0023   |  | 0,037    |  | 0,310     |  |
|   |  | 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   |  |          |  |          |  |          |  |           |  |
| Location (1)  |  | <b>MECHANICAL PROPERTIES - PROPRIETES MECANIQUES - MECHANISCHE WERTE</b>  |  |   |  |   |  |   |  |   |  | C20  |  |   |  |          |  |          |  |          |  |           |  |
|   |  | Room temperature - Température ambiante - Raumtemperatur  |  |   |  |   |  |   |  |   |  | C03  |  |   |  |          |  |          |  |          |  |           |  |
| Direction (2)   |  | <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>Required</b><br>Exigé<br>Anforderung   |  | <b>Rp0.2%</b><br><b>Rp1%</b>  |  | <b>Rm</b>   |  | <b>5,65</b><br><b>50mm</b><br><b>HRBW</b>   |  | <b>Rp0.2%</b><br><b>Rp1%</b><br><b>Rm</b>                               |  | <b>Rm</b>  |  |   |  |          |  |          |  |          |  |           |  |
| <b>1</b><br><b>T</b>  |  | mini<br>maxi  |  | 240<br>270  |  | 530<br>680  |  | 40<br>40  |  | 95  |  |  |  |   |  |          |  |          |  |          |  |           |  |
| <b>2</b><br><b>T</b>  |  | <b>Obtained</b><br>Obtenu<br>Ergebnisse   |  | 331<br>366  |  | 650   |  | 49<br>47  |  | 83<br>82  |  |  |  |   |  |          |  |          |  |          |  |           |  |
|   |  | C11   |  | C14   |  | C12   |  | C13   |  | C15   |  | C31  |  | C16   |  |          |  |          |  |          |  |           |  |
| Impact strength test<br>Essai de résilience<br>Kerbschlagzaehigkeitstest  |  |   |  | Corrosion test<br>Test de corrosion<br>Korrosionstest   |  |   |  |   |  |   |  |  |  |   |  |          |  |          |  |          |  |           |  |
| C40 (t(°c)) C44   |  |   |  | <b>EN ISO 3651-2 :OK</b>  |  |   |  | C50<br>C51  |  | C52<br>C53  |  | C54<br>C55   |  | C05   |  |          |  |          |  |          |  |           |  |
|   |  | C42   |  | D51   |  | Internal cleanliness:   |  | A:  |  | B:  |  | C:   |  | D:  |  |          |  |          |  |          |  |           |  |
| <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   |  |   |  | Z01   |  | <b>Organisation inspection</b><br>Organisme et/ou service contrôle<br>Ueberwachungsabteilung  |  |   |  |  |  |   |  |          |  |          |  |          |  |           |  |
|   |  | <b>Packing list</b><br>Avis d'expédition<br>Lieferscheinnummer<br><br><b>191008I01067-102381</b>  |  |   |  | A10   |  | Quality Control<br><br>09/10/2019 <b>Laurent DUBOIS</b>   |  |   |  |  |  |   |  |          |  |          |  |          |  |           |  |
| <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   |  | <b>The inspector</b><br>Le responsable<br>Der Werkssachverstaendige   |  |   |  |  |  |   |  |          |  |          |  |          |  |           |  |

|  |  |   |  |  |   |  |
|--|--|---|--|--|---|--|
|  <p><b>Correspondance address</b><br/>Adresse de correspondance - Adresse für briefwechsel</p> <p>Aperam - Stainless France<br/>Aperam Isbergues<br/>62330 Isbergues</p>  | <p><b>Annex to certificate</b> <b>19I0608992-CE V01</b><br/>Annexe du CCPU<br/>Anlage Zum Zeugnis</p> <p><b>Certificate of Production Control Number</b><br/>Numéro du certificat de contrôle de la production<br/>Zeugnisnummer von Produktionskontrolle<br/>0036-CPR-M-041-2011</p> <p><b>Year</b> 11<br/>Année<br/>Jahr</p>   | <p><b>Certificate</b><br/>CCPU - Zeugnis<br/><b>19I0608992-CE V01</b></p>    |  |  |   |  |
| <p><b>Manufacturer's works order number</b><br/>N° de la commande usine productrice<br/>Werksauftragsnummer</p> <p><b>80542186 /01-76620/1</b></p>   | <p><b>Purchaser and/or consignee</b><br/>Client et/ou destinataire<br/>Besteller und/oder Empfänger</p> <p><b>APERAM SS&amp;S ERKRATH</b><br/>Hildener Straße 28</p> <p>40699 Erkrath<br/>ALLEMAGNE</p>  | <p><b>Purchaser's order number</b><br/>N° de commande client<br/>Kundenbestellnummer<br/><b>910845981</b></p> <p><b>Customer article number</b><br/>N° d'article client<br/>Artikelnummer des Kunden<br/><b>ART291266</b></p> |  |  |   |  |
| <p><b>Identification of the product</b><br/>Identifictaion du produit - Identifizierung des Erzeugnisses</p> <p><b>Coil n°</b><br/>N° de bobine - Band Nr<br/><b>61323</b></p>   | <p><b>Dimensions</b><br/>Dimensions - Abmessungen</p> <table border="1"> <tr> <td data-bbox="523 703 842 792"> <p><b>Thickness</b><br/>Epaisseur - Dicke<br/>4,000 mm</p> </td> <td data-bbox="842 703 1150 792"> <p><b>Width</b><br/>Largeur - Breite<br/>1500,00 mm</p> </td> <td data-bbox="1150 703 1485 792"> <p><b>Length</b><br/>Longueur - Laenge</p> </td> </tr> </table> |   |  | <p><b>Thickness</b><br/>Epaisseur - Dicke<br/>4,000 mm</p> | <p><b>Width</b><br/>Largeur - Breite<br/>1500,00 mm</p> | <p><b>Length</b><br/>Longueur - Laenge</p> |
| <p><b>Thickness</b><br/>Epaisseur - Dicke<br/>4,000 mm</p>   | <p><b>Width</b><br/>Largeur - Breite<br/>1500,00 mm</p>  | <p><b>Length</b><br/>Longueur - Laenge</p>  |  |  |   |  |
| <p>Stainless steel / Acier inoxydable / Rostfreier Stahl</p>   |  |   |  |  |   |  |
| <p>EN 10088-4 /09</p>  |  |   |  |  |   |  |
| <p>Intended uses : building constructions or civil engineering<br/>Usages prévus : construction immobilière ou génie civil<br/>Vorgesehene Verwendungen : Hochbauten und Ingenieurbauwerke</p>   |  |   |  |  |   |  |
| <p>Declaration of performance :<br/>Déclaration des performances : DoP Nr : ISB.03.01 /ISB.04.01<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></p>   |  |   |  |  |   |  |
| <p>Steel<br/>Acier 1.4404 /1.4401<br/>Werkstoff</p>  |  |   |  |  |   |  |
| <p>COLD-ROLLED COIL<br/>BOBINE LAMINEE A FROID<br/>KALTGEWALZTES BAND</p>  |  |   |  |  |   |  |
| <p>COIL - BOBINE - BAND</p>  |  |   |  |  |   |  |
| <p>Elongation / Allongement /Bruchdehnung<br/>Tensile strength / Résistance à la traction / Zugfestigkeit<br/>Yield Strength / Limite d'élasticité / Dehngrenze<br/>Impact strength / Résistance au choc / Kerbschlagzähigkeit<br/>Weldability / Aptitude au soudage / Schweisseignung<br/>Durability / Durabilité / Dauerhaftigkeit</p> <p>Tolerances on dimension and shape / Tolérances sur les dimensions et sur forme / Grenzabmasse unf Formtoleranzen : EN ISO 9445</p> |  |   |  |  |   |  |
| <p>Regulated substance : no performance determined<br/>Substance reglementée : aucune performance déterminée<br/>Regulierter Stoff : keine Leistung festgestellt</p>   |  |   |  |  |   |  |