



Aperam Stainless Services & Solutions Germany GmbH

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**TEST REPORT  
RELEVÉ DE CONTRÔLE  
WERKSZEUGNIS**

According to / Selon / Nachdem  
EN 10204

BL: 0376323 - 1

Date: 29/09/2017

|   |   |
|---|---|
| <b>Manufact. / Product. /Herstell.</b><br>APERAM STAINLESS S.ETS.INTERNATIONAL  | <b>Item / Article / Produkt</b><br>96-321019                                    |
| <b>Supplier Lot / Lot Fourn. / Band Nr</b><br>075357  | SHEETS WN 4404 2B WITHOUT PAPER 3,0 X 1500,0 X 3000,0<br>004795-1/030/96-321019 |
| <b>Heat N° / N° de coulée / Schmelz Nr</b><br>727024  | <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>708803587 - 03                               |
|   | <b>Reference / Référence / Referenz</b><br>004795-1                             |

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


|   |
|---|
| <b>Mill Certificate / N° de Certificats / Prüfzeugnis Nr</b><br>1710486062      1710486062-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                       | 0,021 | 0,48 | 1,31 | 10,04 | 16,51 | 2,02 |    | 0,039 | 0,002 | 0,033 |    |    |  |



| Mechanical Properties / Propriétés Mécaniques / Mechanische Werte EN 10002-1 |       |  |    |   |     |                              |  |
|--|-------|--|----|---|-----|------------------------------|--|
| 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 | DDQ                          |  |
| 320  |       | 625  |    | 50  | 80  |                              |  |

| 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                         |
| 6261686   | 1059                       |  |                            |                            |  |                            |                            |  |                            |                            |
| 6261687   | 1061                       |  |                            |                            |  |                            |                            |  |                            |                            |
| 6261688   | 1059                       |  |                            |                            |  |                            |                            |  |                            |                            |
| 6261689   | 1062                       |  |                            |                            |  |                            |                            |  |                            |                            |

|  |
|--|
| <b>Number of lots / Nombre de lots / Bunde Anzahl : 4</b>      |
| <b>Total weight / Poids Total / Gesamt Gewicht [Kg] : 4241</b> |

|   |  |   |  |   |  |  |  |   |  |   |  |   |  |   |  |          |  |          |  |          |  |           |  |
|---|--|---|--|---|--|--|--|---|--|---|--|---|--|---|--|----------|--|----------|--|----------|--|-----------|--|
|   |  | <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 17I0486062-01 V01</b>                     |  |   |  |          |  |          |  |          |  |           |  |
| Aperam - Stainless France<br>Aperam Isbergues<br>62330 Isbergues<br>FRANCE  |  | 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 EC Annex I.Point 4.3 |  |   |  |  |  |   |  |   |  |   |  |   |  |          |  |          |  |          |  |           |  |
| ISO 9001 V2008 - ISO TS 16949 V2009 - ISO 14001 V 2004  |  |   |  |   |  |  |  |   |  |   |  |   |  |   |  |          |  |          |  |          |  |           |  |
| <b>Manufacturer's works order number</b><br>N° de la commande usine productrice<br>Werkauftragsnummer<br><b>80399485 /01-44736/1</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 GERMANY</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>70875586</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>ART216156</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 / 16 - TYPE 316L -TYPE 316<br>ASME SA 240 / 15 - 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<br><br><b>Forced Air</b><br>Air forcé Geblaese Luft |  |   |  |   |  |   |  |          |  |          |  |          |  |           |  |
| CORROSION INTERGRANULAIRE SELON ISO 3651/2 : OK / CORR. TEST:ASTM A 262-E: OK / ASTM A480 / A480M -- ASME SA 480/SA 480M / NACE MR 0175 / ISO 15156-1 / ISO 15156-3 -- NACE MR 0103 / ASME-CODE SECT.2 PART A /   |  |   |  |   |  |  |  |   |  |   |  |   |  |   |  |          |  |          |  |          |  |           |  |
| <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   |  |   |  |  |  | <b>Number of pieces</b><br>Nb de pièces - Stueckzahl<br><b>1</b>  |  |   |  |   |  |   |  |          |  |          |  |          |  |           |  |
| <b>Coil n.</b><br>N.Bobine - Band Nr.<br>75357  |  | <b>Heat n.</b><br>N.Coulée - Schmelz Nr.<br>727024  |  | <b>Thickness</b><br>Epaisseur - Staerke<br>3,000 mm   |  | <b>Width</b><br>Largeur - Breite<br>1541,00 mm   |  | <b>Length</b><br>Longueur - Laenge  |  | <b>Net weight</b><br>Poids net - netto Gewicht<br><b>22810 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   |  | 0,021   |  | 0,48  |  | 1,31   |  | 10,04   |  | 16,51   |  | 2,020   |  |   |  | 0,039    |  | 0,0019   |  | 0,033    |  | 0,222     |  |
|   |  | 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   |  |   |  |   |  |  |  |   |  |   |  |   |  |   |  |          |  |          |  |          |  |           |  |
| 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><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   |  | 320<br>358  |  | 625  |  | 60<br>50  |  | 80<br>79  |  |   |  |   |  |          |  |          |  |          |  |           |  |
|   |  | C11   |  | C14   |  | C12  |  | C13   |  | C15   |  | C31   |  | C16   |  | C17      |  | C18      |  | C19      |  |           |  |
| Impact strength test<br>Essai de résilience<br>Kerbschlagzaehigkeitstest  |  |   |  | Corrosion test<br>Test de corrosion<br>Korrosionstest   |  |  |  |   |  |   |  |   |  |   |  |          |  |          |  |          |  |           |  |
|   |  | C40   |  | C44   |  |  |  |   |  |   |  |   |  |   |  |          |  |          |  |          |  |           |  |
|   |  |   |  |   |  | <b>EN ISO 3651-2 :OK</b>   |  | C50   |  | C51   |  | C52   |  | C53   |  | C54      |  | C55      |  | C05      |  |           |  |
|   |  | C42   |  |   |  | D51  |  | Internal cleanliness:   |  | 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>Organisation inspection</b><br>Organisme et/ou service contrôle<br>Ueberwachungsabteilung |  |   |  |   |  |   |  |   |  |          |  |          |  |          |  |           |  |
|   |  | <b>Packing list</b><br>Avis d'expédition<br>Lieferscheinnummer<br><b>170831102605-100052</b>  |  |   |  | Quality Control<br>31/08/2017<br><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  |  |   |  | <b>The inspector</b><br>Le responsable<br>Der Werkssachverstaendige                          |  |   |  |   |  |   |  |   |  |          |  |          |  |          |  |           |  |
|   |  | C01   |  |   |  | A10  |  |   |  |   |  |   |  |   |  |          |  |          |  |          |  |           |  |
|   |  | C02   |  |   |  | D01  |  |   |  |   |  |   |  |   |  |          |  |          |  |          |  |           |  |

|   |  |   |  |   |  |  |  |   |  |  |  |   |  |   |  |          |  |          |  |          |  |           |  |
|---|--|---|--|---|--|--|--|---|--|--|--|---|--|---|--|----------|--|----------|--|----------|--|-----------|--|
|   |  | <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 17I0486062-CE V01</b>                     |  |   |  |          |  |          |  |          |  |           |  |
| Aperam - Stainless France<br>Aperam Isbergues<br>62330 Isbergues<br>FRANCE  |  | 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 V2008 - ISO TS 16949 V2009 - ISO 14001 V 2004  |  |   |  |   |  |  |  |   |  |  |  |   |  |   |  |          |  |          |  |          |  |           |  |
| <b>Manufacturer's works order number</b><br>N° de la commande usine productrice<br>Werkauftragsnummer<br><b>80399485 /01-44736/1</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 GERMANY</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>70875586</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>ART216156</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 / 16 - TYPE 316L -TYPE 316<br>ASME SA 240 / 15 - 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 / CORR. TEST:ASTM A 262-E: OK / ASTM A480 / A480M -- ASME SA 480/SA 480M / NACE MR 0175 / ISO 15156-1<br>/ ISO 15156-3 -- NACE MR 0103 / ASME-CODE SECT.2 PART A /  |  |   |  |   |  |  |  |   |  |  |  |   |  |   |  |          |  |          |  |          |  |           |  |
| <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   |  |   |  |  |  | <b>Number of pieces</b><br>Nb de pièces - Stueckzahl<br><b>1</b>  |  |  |  |   |  |   |  |          |  |          |  |          |  |           |  |
| <b>Coil n.</b><br>N.Bobine - Band Nr.<br>75357  |  | <b>Heat n.</b><br>N.Coulée - Schmelz Nr.<br>727024  |  | <b>Thickness</b><br>Epaisseur - Staerke<br>3,000 mm   |  | <b>Width</b><br>Largeur - Breite<br>1541,00 mm   |  | <b>Length</b><br>Longueur - Laenge  |  | <b>Net weight</b><br>Poids net - netto Gewicht<br><b>22810 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   |  | 0,021   |  | 0,48  |  | 1,31   |  | 10,04   |  | 16,51  |  | 2,020   |  |   |  | 0,039    |  | 0,0019   |  | 0,033    |  | 0,222     |  |
|   |  | 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   |  |   |  |   |  |  |  |   |  |  |  |   |  |   |  |          |  |          |  |          |  |           |  |
| 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><br><b>Rp1%</b>  |  | <b>Rm</b>  |  | <b>5,65</b><br><b>50mm</b>  |  | <b>HRBW</b>  |  | <b>Rp0.2%</b><br><b>Rp1%</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   |  | 320<br>358  |  | 625<br>625   |  | 60<br>50  |  | 80<br>79   |  |   |  |   |  |          |  |          |  |          |  |           |  |
|   |  | C11   |  | C14   |  | C12  |  | C13   |  | C15  |  | C31   |  | C16   |  |          |  |          |  |          |  |           |  |
| Impact strength test<br>Essai de résilience<br>Kerbschlagzaehigkeitstest  |  |   |  |   |  |  |  |   |  |  |  |   |  |   |  |          |  |          |  |          |  |           |  |
|   |  | C40   |  | 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>170831102605-100052</b> |  |   |  | <b>Organisation inspection</b><br>Organisme et/ou service contrôle<br>Ueberwachungsabteilung<br><br>Quality Control<br>31/08/2017<br><b>Laurent DUBOIS</b><br>The inspector<br>Le responsable<br>Der Werkssachverstaendige |  |   |  |   |  |          |  |          |  |          |  |           |  |
|   |  | C01   |  |   |  | Z01  |  |   |  | A05  |  |   |  |   |  |          |  |          |  |          |  |           |  |
| Direction of the test pieces (2)<br>Orientation des éprouvettes<br>Probenrichtung<br>T. Transverse - Travers - Quer<br>L. Longitudinal - Long - Laengs  |  |   |  |   |  |  |  |   |  |  |  |   |  |   |  |          |  |          |  |          |  |           |  |
|   |  | C02   |  |   |  | D01  |  |   |  | Z02  |  |   |  |   |  |          |  |          |  |          |  |           |  |

|   |   |  |  |
|---|---|--|--|
|    | <b>Annex to certificate 17I0486062-CE V01</b><br>Annexe du CCPU<br>Anlage Zum Zeugnis<br><span style="float: right;">CE02</span>  |  | <b>Certificate</b><br>CCPU - Zeugnis<br><b>17I0486062-CE V01</b><br><span style="float: right;">CE05</span>                                    |
|   | <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<br><span style="float: right;">CE03</span>                        |  |   |
|   | <b>Correspondance address</b><br>Adresse de correspondance - Adresse für briefwechsel<br><br>Aperam - Stainless France<br>Aperam Isbergues<br>62330 Isbergues<br><span style="float: right;">CE01</span>                                | <b>Year</b> 11<br>Année<br>Jahr<br><span style="float: right;">CE04</span>   |  |
| <b>Manufacturer's works order number</b><br>N° de la commande usine productrice<br>Werksauftragsnummer<br><br><b>80399485 /01-44736/1</b><br><span style="float: right;">CE07</span>  | <b>Purchaser and/or consignee</b><br>Client et/ou destinataire<br>Besteller und/oder Empfänger<br><br><b>APERAM SS&amp;S GERMANY</b><br>Hildener Straße 28<br><br>40699 Erkrath<br>ALLEMAGNE<br><span style="float: right;">CE08</span> |  | <b>Purchaser's order number</b><br>N° de commande client<br>Kundenbestellnummer<br><b>708755586</b><br><span style="float: right;">CE09</span> |
|   |   | <b>Customer article number</b><br>N° d'article client<br>Artikelnummer des Kunden<br><b>ART216156</b><br><span style="float: right;">CE10</span> |  |
| <b>Identification of the product</b><br>Identificaiton du produit - Identifizierung des Erzeugnisses  |   | <b>Dimensions</b><br>Dimensions - Abmessungen  |  |
| <b>Coil n°</b><br>N° de bobine - Band Nr<br><b>75357</b><br><span style="float: right;">CE11</span>   | <b>Thickness</b><br>Epaisseur - Dicke<br>3,000 mm<br><span style="float: right;">CE12</span>  | <b>Width</b><br>Largeur - Breite<br>1541,00 mm<br><span style="float: right;">CE13</span>  | <b>Length</b><br>Longueur - Laenge<br><span style="float: right;">CE14</span>  |
| Stainless steel / Acier inoxydable / Rostfreier Stahl<br><span style="float: right;">CE15</span>  |   |  |  |
| EN 10088-4 /09<br><span style="float: right;">CE16</span>   |   |  |  |
| Intended uses : building constructions or civil engineering<br>Usages prévus : construction immobilière ou génie civil<br>Vorgesehene Verwendungen : Hochbauten und Ingenieurbauwerke<br><span style="float: right;">CE17</span>  |   |  |  |
| 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><br><span style="float: right;">CE18</span>   |   |  |  |
| Steel<br>Acier 1.4404 /1.4401<br>Werkstoff<br><span style="float: right;">CE19</span>   |   |  |  |
| COLD-ROLLED COIL<br>BOBINE LAMINEE A FROID<br>KALTGEWALZTES BAND<br><span style="float: right;">CE20</span>   |   |  |  |
| COIL - BOBINE - BAND<br><span style="float: right;">CE21</span>   |   |  |  |
| 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<br><br>Tolerances on dimension and shape / Tolérances sur les dimensions et sur forme / Grenzabmasse unf Formtoleranzen : EN ISO 9445<br><span style="float: right;">CE22</span> |   |  |  |
| Regulated substance : no performance determined<br>Substance reglementée : aucune performance déterminée<br>Regulierter Stoff : keine Leistung festgestellt<br><span style="float: right;">CE23</span>  |   |  |  |