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|--|--|---|--|---|--|--|--|--|--|---|--|---|--|---|--|----------|--|----------|--|----------|--|
|  <p>Correspondentieadres: Aperam Genk Swinnenwijerweg 5, Poort Genk 7523 3600 Genk, Belgium Tel. +32 (0)89 30 21 11</p> | | MILL CERTIFICATE BS EN 10204/3.1 CERTIFICAT DE RECEPTION NF EN 10204/3.1 ABNAHMEPRUEFZEUGNIS DIN EN 10204/3.1 | | | | | | | | N-Nr-N 16K0044381-01 V01 | | | | | | | | | | | |
| | | Certified acc.PED 2014/68/EC Annex I § 4.3 by Certification Body 0036 of TUV SUD Industrie Service GmbH with cert.No.:314/2007/MUC.Renounced of counter signature agreed byTÜV SÜD (9/5/2007).Approved acc.AD 2000-Merkblatt W0/TRD 100 by TÜV SÜD Industrie Service GmbH.Confirmation letter from TÜVSÜD Industrie Service GmbH of 07/05/2010 about the uniformity of coils acc.AD2000 W2 §4.1.1 | | | | | | | | | | | | | | | | | | | |
| Manufacturer's works order number N° de la commande usine productrice Werksauftragsnummer 80326358/04-08256/246/04 | | Surveyor's mark Cachet de l'expert Stempel des Werkssachverstaendigen  | | Purchaser and/or consignee Client et/ou destinataire Besteller und/oder Empfaenger Damstahl A/S DANMARKSVEJ 28 8660 SKANDERBORG DENMARK | | | | Purchaser's order number N° de commande client Kundenbestellnummer 555995/kn | | | | | | | | | | | | | |
| Product - Produit - Erzeugnis SHEETS, COLD ROLLED, FINISH 2 B TOLES, LAMINEES A FROID, FINI 2B BLECHE,KALTGEWALZT,GEGLUEHT+GEBEIZT,LEICHT NACHGEWALZT | | | | | | | | Customer article number N.article client Artikelnummer des Kunden 5031 | | | | | | | | | | | | | |
| Steel designation Désignation de l'acier Stahlbezeichnung EN 10028-7-2008 1.4404 / 1.4401 EN 10088-2-2014 1.4404 / 1.4401 ASTM A 240-2015 TYPE 316L / 316 ASME SA 240-2015 TYPE 316L / 316 EN 10088-4-2009 1.4404 / 1.4401 | | Finish Présentation Ausfuehrung 2B 2B 2B 2B 2B | | Steelmaking process Mode d'elaboration de l'acier - Stahlherstellungsverfahren Prod.proces: Electric arc furnace - VOD/AOD - Continuous casting Proc.fabric.: Four à arc - VOD/AOD - Coulée continue Fertigungsablauf: Elektro-Ofen - VOD/AOD - Stranggussanlage | | | | Product delivery condition Etat de livraison du produit - Lieferzustand Solution treated: Hypertrempe: 1050 °C Loesungsgegl+abgeschreckt: | | | | | | | | | | | | | |
| | | | | Any supplementary requirements Prescriptions supplémentaires - Zusätzliche Anforderungen | | | | Forced air-water/air forcé-eau Geblaese Luft-Wasser | | | | | | | | | | | | | |
| NACE MR 0175 / ISO 15156-1 / ISO 15156-3 -- NACE MR 0103 // DIN EN ISO 9445-1 / DIN EN ISO 9445-2 // ASTM A480 / A480M -- ASME SA480 / SA480M | | | | | | | | | | | | | | | | | | | | | |
| Identification of the product Identification du produit - Identifizierung des Erzeugnisses MELTED IN BELGIUM, MADE IN BELGIUM | | Dimensions Dimensions - Abmessungen Thickness B09 Epaisseur - Staerke 1.00 mm | | | | | | Width B10 Largeur - Breite 1500.00 mm | | Length B11 Longueur - Laenge 3000.00 mm | | Number of pieces B08 Nb de pièces - Stueckzahl 91 | | | | | | | | | |
| Coil n. N.Bovine - Band Nr. 62411527 | | Heat n. N.Coulée - Schmelz Nr. 624115 | | | | | | | | Net weight B13 Poids net - netto Gewicht 3272 KG | | | | | | | | | | | |
| CHEMICAL ANALYSIS - ANALYSE CHIMIQUE - CHEMISCHE ZUSAMMENSETZUNG | | | | | | | | | | | | | | | | | | | | | |
| | | C | | Si | | Mn | | Ni | | Cr | | Mo | | Ti | | N | | S | | P | |
| Required -Exigé %mini Anforderung. %maxi | | 0.030 | | 0.75 | | 2.00 | | 10.00 13.00 | | 16.50 18.00 | | 2.00 2.50 | | | | 0.100 | | 0.015 | | 0.045 | |
| Cast Analysis Analyse coulee Analyse Schmelze | | 0.021 | | 0.47 | | 1.30 | | 10.06 | | 16.56 | | 2.03 | | | | 0.037 | | 0.002 | | 0.030 | |
| | | C71 | | C72 | | C73 | | C74 | | C75 | | C76 | | C77 | | C78 | | C79 | | C80 | |
| Positive material identification carried out : OK Tests de vérification de la conformité de la nuance fournie : OK Verwechslungspruefung wurde durchgefuehrt : OK | | | | | | | | | | | | | | | | | | | | | |
| Location (1) | | MECHANICAL PROPERTIES - PROPRIETES MECANIQUES - MECHANISCHE WERTE EN ISO 6892-1 B / A-SA 370 | | | | | | | | | | C20 | | | | | | | | | |
| | | Room temperature - Température ambiante - Raumtemperatur | | | | | | | | | | Test temperature (°C) : | | C03 | | | | | | | |
| Direction (2) | | Yield or proof strength Limite d'élasticité Dehngrenze MPa | | Tensile Strength Résistance à la traction Zugfestigkeit MPa | | Elongation after fracture Allongement après rupt. Bruchdehnung % | | Hardness Dureté Haerte | | Yield or proof strength Limite d'élasticité Dehngrenze MPa | | Tensile str. Résist. MPa Zugfestigkeit | | Elongation % Allongement. Bruchdehnung | | | | | | | |
| | | Required Exigé Anforderung | | Rp0.2% Rp1% | | Rm | | 50mm 80mm | | HRB | | Rp0.2% Rp1% | | Rm 50mm | | | | | | | |
| 1 T | | mini maxi | | 240 270 | | 530 680 | | 40 40 | | 95 | | | | | | | | | | | |
| 2 T | | Obtained Obtenu Ergebnisse | | 307 316 | | 637 | | 50 47 | | 81 | | | | | | | | | | | |
| | | C11 | | C14 | | C12 | | C13 | | C15 | | C31 | | C16 | | C17 | | C18 | | C19 | |
| Impact strength test Essai de résilience Kerbschlagzaehigkeitstest | | | | Corrosion test Test de corrosion Korrosionstest | | E0.2(T)/R(T) % | | | | | | | | | | | | | | | |
| | | C40 | | C44 | | | | | | | | | | | | | | | | | |
| | | | | | | EN ISO 3651/2 - A:OK | | 48 | | C50 C51 | | C52 | | C53 C54 | | C55 | | C05 | | | |
| | | C42 | | | | D51 | | | | | | | | | | | | | | | |
| Location of the sample (1) Emplacement de l'échantillon Lage des Probenabschnittes 1. Front - Début - Anfang 2. Back - Fin - Ende 3. Middle - Milieu - Mitte | | The delivery is in accordance with the order La fourniture est conforme aux exigences de la commande Die lieferung entspricht den Bestellbedingungen | | | | Organisation inspection Organisme et/ou service contrôle Ueberwachungsabteilung | | | | Quality Department 8/9/2016 The inspector Le responsable Der Werkssachverstaendige  D. Raemaekers | | | | | | | | | | | |
| | | Packing list Avis d'expédition Lieferscheinnummer 2016047879-8256 | | | | A10 | | | | A05 | | | | | | | | | | | |
| Direction of the test pieces (2) Orientation des éprouvettes Probenrichtung T. Transverse - Travers - Quer L. Longitudinal - Long - Laengs | | Marking, inspection and measurement : without objection Contrôle de marquage, d'aspect et de dimensions : satisfaisants Pruefung der Stempelung, des Oberflaechenaspekts und der Abmessungen : ohne Beanstandung | | | | D01 | | | | Z02 | | | | | | | | | | | |

|  <p>Correspondentieadres: Aperam Genk Swinnenwijerweg 5, Poort Genk 7523 3600 Genk, Belgium Tel. +32 (0)89 30 21 11</p> | | MILL CERTIFICATE BS EN 10204/3.1 CERTIFICAT DE RECEPTION NF EN 10204/3.1 ABNAHMEPRUEFZEUGNIS DIN EN 10204/3.1 | | | | | | | | N-Nr-N 16K0044381-CE V01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------|--|----------------|--|--|--|---|---|---|--|---|---|---|----|----|----|----|----|----|---|---|---|--|--|--|-------|------|------|----------------|----------------|--------------|--|-------|-------|-------|--|--|--|-------|------|------|-------|-------|------|--|-------|-------|-------|--|--|--|
| | | Factory Production Control certified by TUV SUD Industrie Service GmbH with certificate nr 0036-CPD-43-2011. In compliance with the Construction Product Directive nr 89/106/EEC. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manufacturer's works order number N° de la commande usine productrice Werksauftragsnummer 80326358/04-08256/246/04 | | Surveyor's mark Cachet de l'expert Stempel des Werkssachverstaendigen  | | Purchaser and/or consignee Client et/ou destinataire Besteller und/oder Empfaenger Damstahl A/S DANMARKSVEJ 28 8660 SKANDERBORG DENMARK | | | | Purchaser's order number N° de commande client Kundenbestellnummer 555995/kn | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Product - Produit - Erzeugnis SHEETS, COLD ROLLED, FINISH 2 B TOLES, LAMINEES A FROID, FINI 2B BLECHE, KALTGEWALZT, GEGLUEHT+GEBEIZT, LEICHT NACHGEWALZT | | | | | | Customer article number N.article client Artikelnummer des Kunden 5031 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Steel designation Désignation de l'acier Stahlbezeichnung EN 10088-4-2009 1.4404/1.4401 | | Finish Présentation Ausfuehrung 2B | | Steelmaking process Mode d'élaboration de l'acier - Stahlherstellungverfahren Prod.proces: Electric arc furnace - VOD/AOD - Continuous casting Proc.fabric.: Four à arc - VOD/AOD - Coulée continue Fertigungsablauf: Elektro-Ofen - VOD/AOD - Stranggussanlage | | | | Product delivery condition Etat de livraison du produit - Lieferzustand Solution treated: Hypertrempe: 1050 °C Loesungsgegl+abgeschreckt: Forced air-water/air forcé-eau Geblaese Luft-Wasser | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Identification of the product Identification du produit - Identifizierung des Erzeugnisses MELTED IN BELGIUM, MADE IN BELGIUM | | Dimensions Dimensions - Abmessungen | | | | | Number of pieces Nb de pièces - Stueckzahl 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Coil n. N. Bobine - Band Nr. 62411527 | | Heat n. N. Coulée - Schmelz Nr. 624115 | | Thickness Epaisseur - Staerke 1.00 mm | Width Largeur - Breite 1500.00 mm | | Length Longueur - Laenge 3000.00 mm | | | Net weight Poids net - netto Gewicht 3272 KG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CHEMICAL ANALYSIS - ANALYSE CHIMIQUE - CHEMISCHE ZUSAMMENSETZUNG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <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></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td>0.030</td> <td>0.75</td> <td>2.00</td> <td>10.00 13.00</td> <td>16.50 18.00</td> <td>2.00 2.50</td> <td></td> <td>0.100</td> <td>0.015</td> <td>0.045</td> <td></td> <td></td> <td></td> </tr> <tr> <td>0.021</td> <td>0.47</td> <td>1.30</td> <td>10.06</td> <td>16.56</td> <td>2.03</td> <td></td> <td>0.037</td> <td>0.002</td> <td>0.030</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | | | | | | | | | | | | | C | Si | Mn | Ni | Cr | Mo | Ti | N | S | P | | | | 0.030 | 0.75 | 2.00 | 10.00 13.00 | 16.50 18.00 | 2.00 2.50 | | 0.100 | 0.015 | 0.045 | | | | 0.021 | 0.47 | 1.30 | 10.06 | 16.56 | 2.03 | | 0.037 | 0.002 | 0.030 | | | |
| C | Si | Mn | Ni | Cr | Mo | Ti | N | S | P | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.030 | 0.75 | 2.00 | 10.00 13.00 | 16.50 18.00 | 2.00 2.50 | | 0.100 | 0.015 | 0.045 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.021 | 0.47 | 1.30 | 10.06 | 16.56 | 2.03 | | 0.037 | 0.002 | 0.030 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Positive material identification carried out : OK Tests de vérification de la conformité de la nuance fournie : OK Verwechslungsprüfung wurde durchgeführt : OK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location (1) | | MECHANICAL PROPERTIES - PROPRIETES MECANIQUES - MECHANISCHE WERTE EN ISO 6892-1 B / A-SA 370 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Room temperature - Température ambiante - Raumtemperatur | | | | | | | | Test temperature (°C) : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Direction (2) | | Yield or proof strength Limite d'élasticité Dehngrenze MPa | | Tensile Strength Résistance à la traction Zugfestigkeit MPa | | Elongation after fracture Allongement après rupt. Bruchdehnung % | | Hardness Dureté Haerte | Yield or proof strength Limite d'élasticité Dehngrenze MPa | | Tensile str. Résist. MPa Zugfestigkeit | Elongation % Allongement. Bruchdehnung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Required Exigé Anforderung | Rp0.2% | Rp1% | Rm | 50mm | 80mm | HRB | Rp0.2% | Rp1% | Rm | 50mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | mini | 240 | 270 | 530 680 | 40 | 40 | 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | Obtenu Ergebnisse | 307 | 316 | 637 | 50 | 47 | 81 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Impact strength test Essai de résilience Kerbschlagzaehigkeitstest | | Corrosion test Test de corrosion Korrosionstest | | E0.2(T)/R(T) % | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C40 t(°c) C44 | | EN ISO 3651/2 - A:OK | | 48 | | C50 | C51 | C52 | C53 | C54 | C55 | C05 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C42 | | D51 | | Internal cleanliness: | | A: | B: | C: | D: | C57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location of the sample (1) Emplacement de l'échantillon Lage des Probenabschnittes 1. Front - Début - Anfang 2. Back - Fin - Ende 3. Middle - Milieu - Mitte | | The delivery is in accordance with the order La fourniture est conforme aux exigences de la commande Die lieferung entspricht den Bestellbedingungen | | | | Organisation inspection Organisme et/ou service contrôle Ueberwachungsabteilung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Packing list Avis d'expédition Lieferscheinnummer 2016047879-8256 | | | | Quality Department 8/9/2016 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Direction of the test pieces (2) Orientation des éprouvettes Probenrichtung T. Transverse - Travers - Quer L. Longitudinal - Long - Laengs | | Marking, inspection and measurement : without objection Contrôle de marquage, d'aspect et de dimensions : satisfaisants Pruefung der Stempelung, des Oberflaechenaspekts und der Abmessungen : ohne Beanstandung | | | | The inspector Le responsable Der Werkssachverstaendige  D. Raemaekers | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|  | Annex to certificate 16K0044381-01 V01 Annexe du CCPU Anlage Zum Zeugnis CE02 | | Certificate CCPU - Zeugnis 16K0044381-CE V01 CE05 | | | |
| | Certificate of Production Control Number Numéro du certificat de contrôle de la production Zeugnisnummer von Produktionskontrolle 0036-CPD-43-2011 CE03 | |  | | | |
| | Correspondance address Adresse de correspondance - Adresse für briefwechsel Swinnewijerweg 5, Poort Genk 7523 3600 Genk, Belgium CE01 | Year 11 Année Jahr CE04 | | | | |
| Manufacturer's works order number N° de la commande usine productrice Werksauftragsnummer 80326358/04-08256/246/04 CE07 | Purchaser and/or consignee Client et/ou destinataire Besteller und/oder Empfaenger Damstahl A/S DANMARKSVEJ 28 8660 SKANDERBORG DENMARK CE08 | | Purchaser's order number N° de commande client Kundenbestellnummer 555995/kn CE09 Customer article number N° d'article client Artikelnummer des Kunden 5031 CE10 | | | |
| Identification of the product Identificaiton du produit - Identifizierung des Erzeugnisses Coil n° N° de bobine - Band Nr 62411527 CE11 | Dimensions Dimensions - Abmessungen <table border="1"> <tr> <td> Thickness Epaisseur - Dicke 1.00 mm CE12 </td> <td> Width Largeur - Breite 1500.00 mm CE13 </td> <td> Length Longueur - Laenge 3000.00 mm CE14 </td> </tr> </table> | | | Thickness Epaisseur - Dicke 1.00 mm CE12 | Width Largeur - Breite 1500.00 mm CE13 | Length Longueur - Laenge 3000.00 mm CE14 |
| Thickness Epaisseur - Dicke 1.00 mm CE12 | Width Largeur - Breite 1500.00 mm CE13 | Length Longueur - Laenge 3000.00 mm CE14 | | | | |
| Stainless steel / Acier inoxydable / Rostfreier Stahl CE15 | | | | | | |
| EN10088-4 CE16 | | | | | | |
| Intended uses : building constructions or civil engineering Usages prévus : construction immobilière ou génie civil Vorgesehene Verwendungen : Hochbauten und Ingenieurbauwerke CE17 | | | | | | |
| Declaration of performance : Déclaration des performances : DOP.Nr.GNK.08.01/GNK.10.01 Leistungserklärung : DoP available on website Aperam : www.aperam.com/europe/news-publications/documentation/certifications/approvals CE18 | | | | | | |
| Steel Acier 1.4404/1.4401 Werkstoff CE19 | | | | | | |
| Cold rolled Laminé à froid Kaltgewalzt CE20 | | | | | | |
| Sheet / tôle / Blêche CE21 | | | | | | |
| Elongation / Allongement / Bruchdehnung Tensile strength / Résistance à la traction / Zugfestigkeit Yield strength / Limite d'élasticité / Dehngrenze Impact strength / Résistance au choc / Kerbschlagzähigkeit Weldability / Aptitude au soudage / Schweißseignung Durability / Durabilité / Dauerhaftigkeit Characteristics expressed as indicated in the above mentioned DOP Tolerances on dimension and shape / Tolérances sur les dimensions et sur forme / Grenzabmasse unf Formtoleranzen : EN ISO 9445 CE22 | | | | | | |
| Regulated substance : no performance determined Substance réglementée : aucune performance déterminée Regulierter Stoff: keine Leistung festgestellt CE23 | | | | | | |