

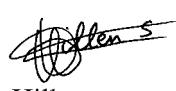


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|---|--|---|--|--|--|--|--|--|--|--|--|---|--|---|--|---------------------|--|----------|--|----------|--|
|  | | MILL CERTIFICATE BS EN 10204/3.1 CERTIFICAT DE RECEPTION NF EN 10204/3.1 ABNAHMEPRUEFZEUGNIS DIN EN 10204/3.1 | | | | | | | | N-Nr-N 14K0021799-01 V01 | | | | | | | | | | | |
| | | Certified acc.PED 97/23/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 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: Aperam Genk Swinnenwijerweg 5, Poort Genk 7523 3600 Genk, Belgium Tel. +32 (0)89 30 21 11 | | Tech.Req.:AD 2000 W2 -- AD 2000 W10 -- EN 13445-2 | | | | | | | | | | | | | | | | | | | |
| Manufacturer's works order number N° de la commande usine productrice Werksauftragsnummer 80203326/03-20626/149/03 | | Surveyor's mark Cachet de l'expert Stempel des Werkssachverstaendigen  | | Purchaser and/or consignee Client et/ou destinataire Besteller und/oder Empfaenger Tibnor Oy Atomitie 5A 00370 HELSINKI FINLAND | | | | Purchaser's order number N° de commande client Kundenbestellnummer 45947999-0710 | | | | | | | | | | | | | |
| 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 45947999/030/95234 | | | | | | | | | | | | | |
| Steel designation Désignation de l'acier Stahlbezeichnung EN 10028-7-2008 1.4307 / 1.4301 EN 10088-2-2005 1.4307 / 1.4301 ASTM A 240-2013 TYPE 304L / 304 ASME SA 240-2013 TYPE 304L / 304 | | Finish Présentation Ausfuehrung 2B 2B 2B 2B | | Steelmaking process Mode d'elaboration 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: | | | | | | | | | | | | | |
| | | | | 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 // ASTM A480 / A480M -- ASME SA480 / SA480M // CORROSION TEST: ASTM A262-E :OK | | | | | | | | | | | | | | | | | | | | | |
| Identification of the product Identification du produit - Identifizierung des Erzeugnisses MELTED IN BELGIUM, MADE IN BELGIUM | | Dimensions Dimensions - Abmessungen Thickness B09 Epaisseur - Staerke 2.00 mm | | | | | | Width B10 Largeur - Breite 1500.00 mm | | Length B11 Longueur - Laenge 3000.00 mm | | Number of pieces B08 Nb de pièces - Stueckzahl 90 | | | | | | | | | |
| Coil n. N.Bohine - Band Nr. 41300733 | | Heat n. N.Coulée - Schmelz Nr. 413007 | | | | | | | | Net weight B13 Poids net - netto Gewicht 6412 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 | | 8.00 10.50 | | 17.50 19.50 | | | | | | 0.100 | | 0.015 | | 0.045 | |
| Cast Analysis Analyse coulee Analyse Schmelze | | 0.019 | | 0.41 | | 1.44 | | 8.01 | | 18.08 | | | | | | 0.071 | | 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 | | | | Alfa Ferrite | | | | Delta Ferrite | | | | D52 | | | | | | | | | |
| Location (1) | | MECHANICAL PROPERTIES - PROPRIETES MECANIQUES - MECHANISCHE WERTE EN ISO 6892-1 B | | | | | | | | 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 C30 | | Rp0.2% Rp1% | | Rm 50mm | | | | | | | |
| 1 T | | mini maxi | | 230 260 | | 540 700 | | 45 45 | | 92 | | | | | | | | | | | |
| 2 Obtained Obtenu Ergebnisse | | 312 341 | | 643 | | 49 46 | | 84 83 | | | | | | | | | | | | | |
| | | C11 | | C14 | | C12 | | C13 | | C15 | | C16 | | C17 | | C18 | | C19 | | | |
| Impact strength test Essai de résilience Kerbschlagzaehigkeitstest | | Corrosion test Test de corrosion Korrosionstest | | | | E0.2(T)/R(T) % | | | | | | | | | | Sample Thickness | | | | | |
| C40 t(°c) | | C44 | | | | 48 | | C50 C51 | | C52 C53 | | C54 C55 | | C05 | | | | | | | |
| | | C42 | | D51 | | EN ISO 3651/2 - A:OK | | 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 | | | | Z01 | | Organisation inspection Organisme et/ou service contrôle Ueberwachungsabteilung | | | | A05 | | | | | | | | | |
| | | Packing list Avis d'expédition Lieferscheinnummer | | 2014035594-100204 | | | | A10 | | Quality Department | | | | | | | | | | | |
| 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 | | 5/5/2014 The inspector Le responsable Der Werkssachverstaendige  S. Hillen | | | | Z02 | | | | | | | | | |