




| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|--|--|--|--|--|--|--|--|--|--|--|---|--|---|--|---|--|------------|--|-----------|--|-----|--|-----|--|-----|--|-----|--|-----|--|
|  <p>Aperam - Stainless France Aperam Isbergues 62330 Isbergues FRANCE</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 2210753024-01 V01 | | | | | | | | | | | | | | | | | | | | | |
| | | Ausgestellt im Einvernehmen mit dem TÜV SÜD - Auf Gegenzeichnung wird verzichtet Issued in accordance with TÜV SÜD - Verification is not required Etabli en accord avec le TÜV SÜD - Dispense de contresignature AD 2000 Merkblatt W0 - PED 2014/68 EU Annex I.Point 4.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ISO 9001:2015 - IATF 16949:2016 - ISO 14001:2015 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manufacturer's works order number N° de la commande usine productrice Werksauftragsnummer 80818872 /01-52873/1 | | Surveyor's mark Cachet de l'expert Stempel des Werkssachverstaendigen  | | Purchaser and/or consignee Client et/ou destinataire Besteller und/oder Empfaenger APERAM SS&S HAAN Aperam Allee 1 42781 Haan ALLEMAGNE | | | | Purchaser's order number N° de commande client Kundenbestellnummer 212895844 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Product - Produit - Erzeugnis COLD-ROLLED COIL BOBINE LAMINEE A FROID KALTGEWALZTES BAND | | | | | | | | Customer article number N.article client Artikelnummer des Kunden ART202916 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Steel designation Désignation de l'acier Stahlbezeichnung EN 10028-7 / 16 - W2-W10 -1.4307 -1.4301 ASTM A 240 / 22 - TYPE 304L -TYPE 304 ASME SA 240 / 21 - TYPE 304L -TYPE 304 EN 10088-2 / 14 - 1.4307 -1.4301 EN 10088-4 / 09 - 1.4307 -1.4301 | | Finish Présentation Ausfuehrung 2B 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 annealing Hypertrempe : 1040 C MINI Lösungsglühen Forced Air Air forcé Gebläse Luft | | | | | | | | | | | | | | | | | | | | | | | | | |
| CORR. TEST:ASTM A 262-E: OK / ASME-CODE SECT.2 PART A / NACE MR 0175 / ISO 15156-1 / ISO 15156-3 -- NACE MR 0103 / ISO 17945 / ASTM A480 / A480M -- AS ME SA 480/SA 480M / CORROSION INTERGRANULAIRE SELON ISO 3651/2 : OK / | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Identification of the product Identification du produit - Identifizierung des Erzeugnisses MELTED IN BELGIUM, MADE IN FRANCE | | Dimensions Dimensions - Abmessungen Thickness B09 Epaisseur - Staerke 2,000 mm | | | | | | Width B10 Largeur - Breite 1500,00 mm | | Length B11 Longueur - Laenge | | Number of pieces B08 Nb de pièces - Stueckzahl 1 | | | | | | | | | | | | | | | | | | | | | |
| Coil n. N.Bobine - Band Nr. 92426 | | Heat n. N.Coulée - Schmelz Nr. 729570 | | | | | | | | Net weight B13 Poids net - netto Gewicht 22310 KGS | | | | | | | | | | | | | | | | | | | | | | | |
| CHEMICAL ANALYSIS - ANALYSE CHIMIQUE - CHEMISCHE ZUSAMMENSETZUNG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | C | | Si | | Mn | | Ni | | Cr | | Mo | | Ti | | N | | S | | P | | Co | | | | | | | | | | | |
| Required -Exigé %mini Anforderung. %maxi | | 0,030 | | 0,75 | | 2,00 | | 8,00 10,50 | | 18,00 19,50 | | | | | | 0,100 | | 0,0150 | | 0,045 | | | | | | | | | | | | | |
| Cast Analysis Analyse coulée Analyse Schmelze | | 0,020 | | 0,43 | | 1,39 | | 8,02 | | 18,23 | | | | | | 0,079 | | 0,0027 | | 0,037 | | 0,196 | | | | | | | | | | | |
| | | C71 | | C72 | | C73 | | C74 | | C75 | | C76 | | C77 | | C78 | | C79 | | C80 | | C81 | | C82 | | C83 | | C84 | | C85 | | C86 | |
| Positive material identification carried out : OK Tests de vérification de la conformité de la nuance fournie : OK Verwechslungspruefung wurde durchgefuehrt : OK | | | | | | | | | | | | | | D52 | | | | | | | | | | | | | | | | | | | |
| Location (1) | | MECHANICAL PROPERTIES - PROPRIETES MECANIQUES - MECHANISCHE WERTE 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 | | HRBW | | Rp0.2% | | Rp1% | | Rm | | | | | | | | | | | | | | | |
| | | mini maxi | | 230 | | 260 | | 540 700 | | 45 | | 92 | | | | | | | | | | | | | | | | | | | | | |
| 1 T 2 T | | Obtained Obtenu Ergebnisse | | 317 | | 353 | | 663 | | 52 | | 88 89 | | | | | | | | | | | | | | | | | | | | | |
| | | C11 | | C14 | | C12 | | C13 | | C15 | | C31 | | C16 | | C17 | | C18 | | C19 | | | | | | | | | | | | | |
| Impact strength test Essai de résilience Kerbschlagzaehigkeitstest | | | | Corrosion test Test de corrosion Korrosionstest | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C40 (°c) | | | | C44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | EN ISO 3651-2 :OK | | | | C50 | | C51 | | C52 | | C53 | | C54 | | C55 | | C05 | | | | | | | | | | | | | |
| | | | | 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 | | | | Z01 | | Organisation inspection Organisme et/ou service contrôle Ueberwachungsabteilung | | | | | | A05 | | | | | | | | | | | | | | | | | |
| | | | | Packing list Avis d'expédition Lieferscheinnummer 221215100869-102381 | | | | A10 | | Quality Control 15/12/2022 Laurent DUBOIS | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | The inspector Le responsable Der Werkssachverstaendige  | | | | | | Z02 | | | | | | | | | | | | | | | | | |