

CERTIFICAT DE RECEPTION 3.1+-EN 10204/DIN 50049/ISO 404



01 : 25 <= A565 ; 355 <= EH < 435 (MPa) ; 430 <= Rm < 520 (MPa) EM : BL
 02 : 24 <= A565 ; 380 <= EH < 460 (MPa) ; 440 <= Rm < 530 (MPa) EM : BL
 03 : 28,00 <= KC(1) (J) ; 28,00 <= KC(2) (J) ; 28,00 <= KC(3) (J) ; 40,00 <= KCMoy (J) EM : BL

SY

(5) EDC: Conforme cahier charges / According specifications
 BL : Brut de laminage / As rolled
 LN : Laminage normalisant / Normalization rolling
 A : Revenu / Tempering
 TE : Trempé à l'eau / Water quenching
 LFC : Laminé temp. contrôlée / Control rolling
 TM : Laminage thermo-mécanique / Thermo-mechanical forming
 N : Normalisé / Normalizing
 D : Détensionné / Stress relieving
 G : Adouci par recuit / Soft annealing

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| Organisme et/ou service de contrôle Inspection organism METALLURGIE QUALITE A05 | Client et/ou destinataire Customer and/or consignee OY ALUSTEEL AB HEPOKARINTIE 9 SF-23500 UUSIKAUPUNKI FINLANDE A06 | N° Commande Courtier/Client Customer's Order Nbr 31724 A07 | N° Commande Usine Mill's Order Nbr FH53ALU002 000001 A08 | Nuances et spécifications techniques / Grade and technical specifications AMSTRONG355MC | Etat de livraison Delivery condition BL B04 Traitement de référence Treatment of test samples BL B05 |
|---|--|---|--|---|---|

| Identification du produit Product identification | | Poste | Nombre de pièces Number of pieces | Dimensions / Sizes () | | | Masse Weight (kg) (7) | Empla. Loc (2) | Traction / Tensile requirements | | | | | | | | | | Résilience / Impact testing | | | | | | | | | | | | |
|---|-------------------|------------|--------------------------------------|---------------------------|------------------|--------------------|--------------------------------|----------------------|---------------------------------|--------------|-----------------------|-------------|-------------|-------------------|-------------------|-----------------|-----------|------|-----------------------------|------------|------------|------------|----------|-------------|--------------|--|------|-----|--------------------|-------------|----------|
| Repère pièce Plate number | Coulée Heat | Item | | Epaisseur Thicknes | Largeur Width | Longueur Length | | Loc (2) | S (3) | Pos. Z(4) | Type | Réf R(5) | Temp. °C | E | Rm | A | E/R | RM*A | GRNI | Loc (2) | Réf Ref | Type | S (3) | Temp. °C | Pos. Z(4) | Valeurs individuelles Individual values | | | Moyenne Average | | |
| B07 28886600 | B07 8645066244 | A07 025 | B08 1 | B09 10 | B10 1500 | B11 | B13 22240 | C01 T | C02 L | C06 P | C10 PRISM PRISM | BL BL | C03 20 | C11 390 406 | C12 473 486 | C13 31 29 | <-C14-C29 | | C60-C69-> | C01 2 | BL | C40 KCV | C02 L | C08 -20 | C62 P | <-C42- --> | 42,1 | 117 | 118 | C43 92,5 | 00:PLIAG |

AC : C <= 0,100 ; Mn <= 1,400 ; P <= 0,025 ; S <= 0,015 ; Si <= 0,030 ; 0,015 <= Al ; Nb <= 0,065 ; V <= 0,200 ; Ti <= 0,150 ; CEQ52 <= 0,32
 CAL02 <= 0,090 ; CAL15 <= 0,220

| Meth. (6) of steel making | Repère Pièce Plate number | N° Coulée Heat number | * Analyse sur produit / Check analysis | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------|------------------------------|--------------------------|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|--------------|--------------|-----|-----|-----|-----|-----|-----|--|--|--|--|--|--|
| | | | C% | Mn% | P% | S% | Si% | Al | Nb | V | Ti | Cr | Mo | Ni | Cu | N | B | CEQ52 | CAL02 | CAL15 | | | | | | | | | | | | |
| C70/93 | B07 | B07 8645066244 | C71 0,062 | C72 0,631 | C73 0,017 | C74 0,008 | C75 0,007 | C76 0,030 | C77 0,033 | C78 0,001 | C79 0,001 | C80 0,0293 | C81 0,0018 | C82 0,0172 | C83 0,0178 | C84 0,0037 | C85 0,0001 | C86 0,18 | C87 0,049 | C88 0,034 | C89 | C90 | C91 | C92 | C96 | C97 | | | | | | |

CEQ52 = C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15 ; CAL02 = 2,5 P + Si ; CAL15 = Nb+V+Ti

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| Emplacement/Location(2) 1 Tête / Head 2 Pied / Bottom 3 1/2 longueur / Length C01 | (3) Sens/Direction L:Long / Longitudinal T:Travers / Transverse Z:Travers court / Through thick X:Divers Mix C02 | (4) Position C:Coeur / Core sample P:Peau / Rolled surface D:1/3 Epais. / Thickness Q:1/4 Epais. / Thickness F:1/5 Epais. / Thickness K:Divers / Mix C62 | (6) Mode élab. Meth. Coulée T: Thomas M. Martin E: Electrique / Electric O/Y: Oxy.pur / Basic oxyg. CC: Coulée Continue / Continuous casting 70/93 | We hereby certify that the above cited shipment was produced according to the technical specifications of the contract and that, with inspection and tests completed, it meets those specifications as well as all norms and standards referred to in the contract. Contrôle de marquage, d'aspect et de dimensions : satisfaisants Inspection of markings, surface, sizes : satisfactory. Les essais de pliège sont satisfaisants / Bend test results are satisfactory. | Date 03/07/15 Agent / Receiving Agent E. HOOGSTOEL C50 D01 Z02 |
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