

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

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 28260 A07	N° Commande Usine Mill's Order Nbr FH4IAL1002 000004 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
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Identification du produit Product identification		Poste	Nombre de pièces Number of pieces	Dimensions / Sizes ()			Masse Weight	Traction / Tensile requirements											Résilience / Impact testing												
Repère pièce Plate number	Coulée Heat	Item		Epaisseur Thicknes	Largeur Width	Longueur Length	(kg) (7)	Em-pla. Loc (2)	S (3)	Pos. Z(4)	Type	Réf R(5)	Temp. °C	E	Rm	A	E/R	RM*A	GRNI	Em-pla. Loc (2)	Réf Ref	Type	S (3)	Temp. °C	Pos. Z(4)	Valeurs individuelles Individual values			Moyenne Average		
B07 27771300	B07 8644048534	A07 044	B08 1	B09 12	B10 1500	B11	B13 28000	C01 2	C02 T	C06 P	C10 PRISM PRISM	BL BL	C03 20 20	C11 412 426	C12 502 516	C13 29 25	<-C14-C29			C60-C69->	C01 2	BL	C40 KCV	C02 L	C08 -20	C62 P	<-C42-->	153,	154,	154,	C43 154,

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 8644048534	C71 0,064	C72 1,074	C73 0,018	C74 0,006	C75 0,012	C76 0,029	C77 0,030	C78 0,001	C79 0,001	C80 0,0222	C81 0,0019	C82 0,0129	C83 0,0113	C84 0,0043	C85 0,0000	C86 0,25	C87 0,056	C88 0,032	C89	C90	C91	C92	C96	C97						

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

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.	Date 27/10/14 Agent / Receiving Agent E. HOOGSTOEL D01 Z02
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