

**INSPECTION CERTIFICATE 3.1+-EN 10204/DIN 50049/ISO 404**

01 : 23 <= A565 ; 355 <= EH (MPA) ; 430 <= Rm < 550 (MPA) EM : BL  
 02 : 28,00 <= KC(1) (J) ; 28,00 <= KC(2) (J) ; 28,00 <= KC(3) (J) ; 40,00 <= KCMoy (J) EM : BL

**SY**

HOT ROLLED STEEL COIL

(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<br>Inspection organism<br><b>METALLURGIE QUALITE</b><br>A05 | Client et/ou destinataire<br>Customer and/or consignee<br><b>MUUGA LOGISTICS OU<br/>KOORMA 5A<br/>MUUGA 74115</b><br>ESTONIE<br>A06 | N° Commande<br>Courtier/Client<br>Customer's Order Nbr<br><b>41254</b><br>A07 | N° Commande Usine<br>Mill's Order Nbr<br><b>FH74ALU006 000002</b><br>A08 | Nuances et spécifications techniques / Grade and technical specifications<br><b>S355MC EN10149-2/2013</b><br><b>Décapé et Huilé / pickled &amp; Oiled</b> | Etat de livraison<br>Delivery condition<br><b>AR</b><br>B04<br>Traitement de référence<br>Treatment of test samples<br><b>BL</b><br>B05 |
|---|---|---|--|---|---|

| Identification du produit<br>Product identification |                                 | Poste             | Nombre de pièces<br>Number of pieces | Dimensions / Sizes<br>( ) |                     |                    | Masse<br>Weight<br>(kg)<br>(7) | Empla.<br>Loc<br>(2) | Traction / Tensile requirements |              |              |                   |                 |                   |                   |                 |           |      | Résilience / Impact testing |            |            |                   |               |                   |              |  |                              |                      |                     |                      |
|---|---------------------------------|-------------------|--------------------------------------|---------------------------|---------------------|--------------------|--------------------------------|----------------------|---------------------------------|--------------|--------------|-------------------|-----------------|-------------------|-------------------|-----------------|-----------|------|-----------------------------|------------|------------|-------------------|---------------|-------------------|--------------|--|------------------------------|----------------------|---------------------|----------------------|
| Repère pièce<br>Plate number                        | Coulée<br>Heat                  | Item              |                                      | Epaisseur<br>Thicknes     | Largeur<br>Width    | Longueur<br>Length |                                | Loc<br>(2)           | S<br>(3)                        | Pos.<br>Z(4) | Type         | Réf<br>Ref<br>(5) | Temp.<br>°C     | E                 | Rm                | A               | E/R       | RM*A | GRNI                        | Loc<br>(2) | Réf<br>Ref | Type              | S<br>(3)      | Temp.<br>°C       | Pos.<br>Z(4) | Valeurs individuelles<br>Individual values |                              | Moyenne<br>Average   |                     |                      |
| B07<br>22655500<br>22655600                         | B07<br>8647051111<br>8647051111 | A07<br>047<br>047 | B08<br>1<br>1                        | B09<br>12<br>12           | B10<br>1500<br>1500 | B11                | B13<br>27940<br>27700          | C01<br>L             | C02<br>L                        | C06<br>P     | C10<br>PRISM | BL<br>BL          | C03<br>20<br>20 | C11<br>401<br>376 | C12<br>503<br>505 | C13<br>27<br>27 | <-C14-C29 |      | C60-C69->                   | C01<br>2   | BL<br>BL   | C40<br>KCV<br>KCV | C02<br>L<br>L | C08<br>-20<br>-20 | C62<br>P     | <-C42-->                                   | 138,<br>162,<br>159,<br>153, | 162,<br>159,<br>153, | C43<br>153,<br>153, | 00:PLIAG<br>00:PLIAG |

AC : C <= 0,12 ; Mn <= 1,50 ; P <= 0,025 ; S <= 0,020 ; Si <= 0,50 ; 0,015 <= Al ; Nb <= 0,09 ; V <= 0,20 ; Ti <= 0,15 ; CAL15 <= 0,22

| Meth. (6)<br>of steel<br>making | Repère Pièce<br>Plate number | N° Coulée<br>Heat number | * Analyse sur produit / Check analysis |             |              |              |             |              |             |             |             |               |               |               |               |               |               |             |     |     |     |     |     |     |     |     |  |  |
|---------------------------------|------------------------------|--------------------------|--|-------------|--------------|--------------|-------------|--------------|-------------|-------------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
|                                 |                              |                          | C%                                     | Mn%         | P%           | S%           | Si%         | Al           | Nb          | V           | Ti          | N             | Ni            | Cr            | Cu            | Mo            | B             | CAL15       | C87 | C88 | C89 | C90 | C91 | C92 | C96 | C97 |  |  |
| C70/93                          | B07                          | B07<br>8647051111        | C71<br>0,07                            | C72<br>1,10 | C73<br>0,012 | C74<br>0,005 | C75<br>0,01 | C76<br>0,028 | C77<br>0,03 | C78<br>0,00 | C79<br>0,00 | C80<br>0,0043 | C81<br>0,0124 | C82<br>0,0433 | C83<br>0,0104 | C84<br>0,0021 | C85<br>0,0000 | C86<br>0,03 | C87 | C88 | C89 | C90 | C91 | C92 | C96 | C97 |  |  |

CAL15 = NB+V+Ti

|   |   |   |  |  |   |
|---|---|---|--|--|---|
| Emplacement/Location(2)<br>1 Tête / Head<br>2 Pied / Bottom<br>3 1/2 longueur / Length<br>C01 | (3) Sens/Direction<br>L:Long / Longitudinal<br>T:Travers / Transverse<br>Z:Travers court /<br>Through thick<br>X:Divers<br>Mix<br>C02 | (4) Position<br>C:Coeur / Core sample<br>P:Peau / Rolled surface<br>D:1/3 Epais. / Thickness<br>Q:1/4 Epais. / Thickness<br>F:1/5 Epais. / Thickness<br>K:Divers / Mix<br>C62 | (6) Mode élab. Meth. Coulée<br>T: Thomas M. Martin<br>E: Electrique / Electric<br>O/Y: Oxy.pur / Basic oxyg.<br>CC: Coulée Continue /<br>Continuous casting<br>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.<br><br>Contrôle de marquage, d'aspect et de dimensions : satisfaisants<br>Inspection of markings, surface, sizes : satisfactory.<br><b>Les essais de pliage sont satisfaisants / Bend test results are satisfactory.</b> | Date<br><b>14/01/18</b><br>Agent / Receiving Agent<br><b>S. MATEOS</b><br>016 |
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