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 USA

**ArcelorMittal Belval & Differdange**

ArcelorMittal

Service Gestion Qualité  
 66, rue de Luxembourg  
 L-4009 Esch/Alzette

**Plant:**  
 ArcelorMittal Belval & Differdange  
 Site de Differdange  
 L-4503 Differdange

**Certificate Nr X2246939**

Delivery note number 2246939 from 25 February 2012

Our reference : 1700014089  
 Your reference : 12162  
 19.01.2012  
 Plesa Anahuac Y Cias, S.A. de C.V.

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 Av. Valle de las Alamedas 66-O  
 54940 COL. S. FRANCISCO CHILPAN, TULTI  
 MEXIQUE

**ASTM A992 - ASTM A572 GR50 FINE GRAIN SILICON KILLED**

**Manufacturer's test certificate acc. to ASTM A 6**

| Ord.item | Product            | Length           | Weight   | Heat nr | Weight   | Bund. | Bars |
|----------|--------------------|------------------|----------|---------|----------|-------|------|
| 000006   | W 24 X 12,75 X 162 | 40'<br>12.192 mm | 2,938 mt | 27370   | 2,938 mt |       | 1    |
| 000008   | W 27 X 10 X 114    | 40'<br>12.192 mm | 2,073 mt | 40386   | 2,073 mt |       | 1    |

| Heat nr | Heat analysis (%) |             |             |              |              |             |             |             |             |              |              |              |             |              |      |       |
|---------|-------------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|-------------|--------------|------|-------|
|         | C                 | Mn          | P           | S            | Si           | N           | Cu          | Ni          | Cr          | V            | Nb           | Mo           | CEV         | Sn           | Nb+V |       |
|         | <b>Min</b>        | <b>0,50</b> |             |              | <b>0,10</b>  |             |             |             |             |              |              |              |             |              |      |       |
|         | <b>Max</b>        | <b>0,23</b> | <b>1,60</b> | <b>0,035</b> | <b>0,045</b> | <b>0,40</b> | <b>0,60</b> | <b>0,45</b> | <b>0,35</b> | <b>0,150</b> | <b>0,050</b> | <b>0,150</b> | <b>0,45</b> | <b>0,150</b> |      |       |
| 27370   |                   | 0,06        | 1,48        | 0,021        | 0,030        | 0,18        | 0,010       | 0,28        | 0,17        | 0,10         | 0,051        | 0,003        | 0,050       | 0,38         | 0,01 | 0,054 |
| 40386   |                   | 0,07        | 1,45        | 0,015        | 0,024        | 0,18        | 0,011       | 0,29        | 0,17        | 0,15         | 0,053        | 0,003        | 0,050       | 0,39         | 0,02 | 0,056 |

| Heat nr | Tensile test |               |               |              |      |
|---------|--------------|---------------|---------------|--------------|------|
|         | PSI          | PSI           | 200 mm        |              |      |
|         | Ys           | UTS           | EL. (%)       | Y/U          |      |
|         | <b>Min</b>   | <b>50.000</b> | <b>65.000</b> | <b>18,00</b> |      |
|         | <b>Max</b>   | <b>65.000</b> |               | <b>0,85</b>  |      |
| 27370   |              | 57.710        | 75.110        | 27,92        | 0,77 |
| 27370   |              | 56.550        | 73.660        | 27,00        | 0,77 |
| 40386   |              | 60.465        | 74.240        | 26,15        | 0,81 |
| 40386   |              | 61.045        | 74.965        | 26,41        | 0,81 |

Klecker Roberto  
 Porteur de signature spéciale

