

ArcelorMittal Gipuzkoa, S.L.U.  
 Long Carbon Europe  
 CARRETERA MADRID - IRUN, KM. 419  
 20212 OLABERRIA (Gipuzkoa)  
 TELEF. (943) 80.50.00 - FAX (943) 88.04.04



## MILL TEST CERTIFICATE

BER P-18561

| DISCHARGE ADDRESS  |                         | CUSTOMER   |                 |
|--|-------------------------|--|-----------------|
| Plesa Anahuac Y Cias, S.A. de C.V.<br>Av. Valle de las Alamedas 66-O<br>Col. S. Francisco Chilpan, Tul<br>MEXICO |                         | Plesa Anahuac Y Cias, S.A. de C.V.<br>Av. Valle de las Alamedas 66-O<br>Col. S. Francisco Chilpan, Tul<br>MEXICO |                 |
| SHIPPED AND CERTIFIED BY   |                         | CREDIT NUMBER  | PORT OF LOADING |
| ARCELORMITTAL BERGARA<br>C/IBARRA, 6<br>20570 BERGARA (Gipuzkoa)<br>TELEF. (943) 76.19.40 - FAX (943) 765243     |                         |  | BILBAO, SPAIN   |
|  |                         | PORT OF DISCHARGE  | VESSEL          |
|  |                         | VERACRUZ   | ADRIATICBORG    |
| OUR REFERENCE  | CONTRACT NUMBER         | ORDER NUMBER   | DATE            |
| mcabello   | 06-E-35240 / 1700013549 | 11367  | 09/12/2011      |

Material: WF Vigas,

El exportador de los productos incluidos en el presente documento,  
 Autorización aduanera no.

ARCELORMITTAL GUIPUZKOA, S.L.U. ES/20/0040/03

Declara que, salvo indicación en sentido contrario, estos  
 productos gozan de un origen preferencial ESPAÑA

| SIZE           | LENGTH | BUNDLES | PIECES<br>BUNDLES | TOTAL<br>PIECES | WEIGHT<br>BUNDLES | TOTAL<br>WEIGHT | HEAT   |
|----------------|--------|---------|-------------------|-----------------|-------------------|-----------------|--|
| <b>+/RED</b>   |        |         |                   |                 |                   |                 |  |
| WF BEAMS 6x9   | 40'    | 27      | 21                | 567             | 3421              | 92.354          | 313690,313691,314263,<br>314264,314265,314266            |
| WF BEAMS 6x9   | 40'    | 2       | 18                | 36              | 2919              | 5.838           | 314265   |
| WF BEAMS 6x12  | 40'    | 26      | 18                | 468             | 3932              | 102.244         | 314142,314143,314194,<br>314195,314196,314197,<br>314206 |
| WF BEAMS 6x8,5 | 40'    | 28      | 21                | 588             | 3292              | 92.175          | 313693,314030,314035                                     |
| WF BEAMS 6x8,5 | 40'    | 1       | 12                | 12              | 1862              | 1.862           | 313692   |
| WF BEAMS 6x8,5 | 40'    | 1       | 20                | 20              | 3103              | 3.103           | 313693   |

TOTAL BUNDLES 85

TOTAL WEIGHT 297.576 Kg.

A02 EN 10204/3.1

CSA G40.21 50W/ASTM A572 G50/A992/A6

(B01/B02/B03) A03

| COLADA<br>HEAT | COMPOSICION QUIMICA (%)<br>CHEMICAL COMPOSITION (%) |       |      |      |      |      |      |      |      |      |      |      |     |
|----------------|---|-------|------|------|------|------|------|------|------|------|------|------|-----|
|                | C   | Mn    | Si   | P    | S    | V    | Cr   | Ni   | Mo   | Cu   | Nb   | Sn   | CEV |
| B03            |   |       |      |      |      |      |      |      |      |      |      |      |     |
| 313690         | ,137  | ,668  | ,166 | ,008 | ,026 | ,027 | ,046 | ,124 | ,023 | ,392 | ,000 | ,032 | ,30 |
| 313691         | ,127  | ,673  | ,175 | ,009 | ,027 | ,029 | ,063 | ,111 | ,019 | ,424 | ,000 | ,031 | ,30 |
| 313692         | ,119  | ,684  | ,170 | ,011 | ,016 | ,030 | ,081 | ,127 | ,022 | ,497 | ,000 | ,030 | ,30 |
| 313693         | ,120  | ,697  | ,167 | ,012 | ,023 | ,026 | ,097 | ,130 | ,025 | ,492 | ,000 | ,028 | ,31 |
| 314030         | ,109  | 1,040 | ,207 | ,008 | ,014 | ,043 | ,080 | ,161 | ,027 | ,285 | ,000 | ,037 | ,34 |
| 314035         | ,112  | 1,106 | ,152 | ,008 | ,017 | ,049 | ,068 | ,133 | ,024 | ,381 | ,000 | ,050 | ,36 |
| 314142         | ,116  | ,678  | ,175 | ,022 | ,029 | ,028 | ,137 | ,149 | ,031 | ,479 | ,000 | ,024 | ,31 |

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 ArcelorMittal

## MILL TEST CERTIFICATE

BER P-18561

| COLADA<br>HEAT | COMPOSICION QUIMICA (%)<br>CHEMICAL COMPOSITION (%) |      |      |      |      |      |      |      |      |      |      |      |     |  |
|----------------|---|------|------|------|------|------|------|------|------|------|------|------|-----|--|
|                | C   | Mn   | Si   | P    | S    | V    | Cr   | Ni   | Mo   | Cu   | Nb   | Sn   | CEV |  |
| <i>B06</i>     |   |      |      |      |      |      |      |      |      |      |      |      |     |  |
| 314143         | ,121  | ,635 | ,165 | ,023 | ,021 | ,026 | ,156 | ,156 | ,026 | ,508 | ,000 | ,028 | ,31 |  |
| 314194         | ,130  | ,704 | ,180 | ,024 | ,039 | ,028 | ,156 | ,144 | ,026 | ,574 | ,003 | ,025 | ,34 |  |
| 314195         | ,133  | ,691 | ,200 | ,019 | ,036 | ,026 | ,128 | ,157 | ,029 | ,545 | ,001 | ,024 | ,33 |  |
| 314196         | ,136  | ,710 | ,182 | ,023 | ,040 | ,028 | ,143 | ,164 | ,034 | ,524 | ,002 | ,026 | ,34 |  |
| 314197         | ,143  | ,709 | ,169 | ,027 | ,024 | ,035 | ,147 | ,169 | ,028 | ,591 | ,001 | ,028 | ,35 |  |
| 314206         | ,140  | ,691 | ,172 | ,015 | ,023 | ,025 | ,110 | ,187 | ,037 | ,531 | ,002 | ,029 | ,34 |  |
| 314263         | ,123  | ,689 | ,151 | ,016 | ,012 | ,030 | ,068 | ,138 | ,025 | ,520 | ,000 | ,034 | ,31 |  |
| 314264         | ,132  | ,694 | ,165 | ,021 | ,020 | ,028 | ,104 | ,126 | ,021 | ,503 | ,000 | ,060 | ,32 |  |
| 314265         | ,120  | ,687 | ,150 | ,027 | ,027 | ,029 | ,131 | ,135 | ,024 | ,509 | ,000 | ,038 | ,31 |  |


| MATERIAL<br>SIZE | COLADA<br>HEAT | PROPIEDADES MECANICAS<br>MECHANICAL PROPERTIES |      |            |     |             |      |
|------------------|----------------|--|------|------------|-----|-------------|------|
|                  |                | ReH<br>MPa                                     |      | Rm<br>MPa  |     | A%<br>LO=2" |      |
| <i>B11</i>       | <i>B06</i>     | <i>C11</i>                                     |      | <i>C12</i> |     | <i>C13</i>  |      |
| W-6x12           | 314142         | 414  | 406  | 534        | 521 | 33,2        | 32,7 |
| W-6x12           | 314143         | 412  | 403  | 527        | 509 | 33,7        | 33,1 |
| W-6x12           | 314194         | 424  | 423  | 544        | 532 | 34,6        | 34,4 |
| W-6x12           | 314195         | 403  | 395  | 529        | 516 | 34,8        | 34,3 |
| W-6x12           | 314196         | 416  | 410  | 526        | 523 | 32,8        | 32,1 |
| W-6x12           | 314197         | 443  | 437  | 560        | 539 | 32,         | 31,1 |
| W-6x12           | 314206         | 419  | 411  | 538        | 522 | 31,4        | 31,2 |
| W-6x8,5          | 313692         | 405  | 400  | 527        | 516 | 33,7        | 33,3 |
| W-6x8,5          | 313693         | 405  | 392  | 531        | 520 | 32,1        | 31,2 |
| W-6x8,5          | 314030         | 449  | 443  | 554        | 542 | 29,8        | 28,8 |
| W-6x8,5          | 314035         | 444  | 437  | 578        | 566 | 30,1        | 29,2 |
| W-6x9            | 313690         | 401  | 395  | 529        | 521 | 34,         | 32,9 |
| W-6x9            | 313691         | 405  | 397, | 524        | 518 | 34,8        | 33,6 |
| W-6x9            | 314263         | 392  | 384  | 494        | 489 | 29,5        | 29,  |
| W-6x9            | 314264         | 435  | 422  | 539        | 522 | 31,         | 30,5 |
| W-6x9            | 314265         | 406  | 398  | 549        | 526 | 32,1        | 31,1 |

Z01

### 16 análisis

D01: Certificamos que los aceros arriba indicados han sido satisfactoriamente probados de acuerdo con la especificación.

B06: Marca APB

  
 Sebastián Jauregi