

ArcelorMittal Olaberria-Bergara

ArcelorMittal Europe – Long Products

CARRETERA MADRID - IRUN, KM. 417

20212 OLABERRIA (Gipuzkoa)

TELEF. (943) 80.50.00 - FAX (943) 88.04.04



MILL TEST CERTIFICATE

OLA P-67519

| DISCHARGE ADDRESS | | CUSTOMER | |
|---|--------------------|---|-----------------|
| Plesa Anahuac Y Cias. S.A. de C.V. Av. Valle de las Alamedas 66-O Col. S. Francisco Chilpan. Tul MEXICO | | PLESA ANAHUAC Y CIAS S.A. DE C.V. AV. VALLE DE LAS ALAMEDAS 66-O COL. SAN FRANCISCO CHILPAN - T MEXICO | |
| SHIPPED AND CERTIFIED BY | | CREDIT NUMBER | PORT OF LOADING |
| ARCELORMITTAL OLABERRIA CARRETERA MADRID - IRUN, KM. 417 20212 OLABERRIA (Gipuzkoa) TELEF. (943) 80.50.00 - FAX (943) 88.04.04 | | | PASAJES, SPAIN |
| | | PORT OF DISCHARGE | VESSEL |
| | | VERACRUZ | DIAMANTGRACHT |
| OUR REFERENCE | CONTRACT NUMBER | ORDER NUMBER | DATE |
| P1704510 | E-71307/1700029169 | 29255 | 26/02/2020 |

Material: "WF-PERFILES DE ACERO AL CARBONO LAMINADO EN CALIENTE"

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

ARCELORMITTAL OLABERRIA-BERGARA, 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 BUNDLES | TOTAL PIECES | WEIGHT BUNDLES | TOTAL WEIGHT | HEAT |
|----------------|--------|---------|----------------|--------------|----------------|--------------|--------|
| +/RED | | | | | | | |
| WF BEAMS 10x12 | 40' | 6 | 22 | 132 | 4790 | 28.740 | 194944 |
| WF BEAMS 10x12 | 40' | 1 | 20 | 20 | 4355 | 4.355 | 191481 |
| WF BEAMS 10x15 | 40' | 1 | 18 | 18 | 4898 | 4.898 | 194955 |
| WF BEAMS 10x15 | 40' | 1 | 18 | 18 | 4898 | 4.898 | 194956 |
| WF BEAMS 10x17 | 40' | 3 | 16 | 48 | 4935 | 14.805 | 194943 |
| WF BEAMS 10x22 | 40' | 1 | 12 | 12 | 4790 | 4.790 | 194915 |
| WF BEAMS 10x22 | 40' | 1 | 12 | 12 | 4790 | 4.790 | 194916 |
| WF BEAMS 10x22 | 40' | 2 | 12 | 24 | 4790 | 9.580 | 194918 |
| WF BEAMS 10x22 | 40' | 1 | 12 | 12 | 4790 | 4.790 | 194919 |
| WF BEAMS 10x26 | 40' | 2 | 10 | 20 | 4717 | 9.434 | 194844 |
| WF BEAMS 10x26 | 40' | 5 | 10 | 50 | 4717 | 23.585 | 194909 |
| WF BEAMS 10x26 | 40' | 1 | 10 | 10 | 4717 | 4.717 | 194910 |
| WF BEAMS 10x26 | 40' | 3 | 10 | 30 | 4717 | 14.151 | 194911 |
| WF BEAMS 10x26 | 40' | 6 | 10 | 60 | 4717 | 28.302 | 194912 |
| WF BEAMS 10x26 | 40' | 1 | 8 | 8 | 3774 | 3.774 | 194843 |
| WF BEAMS 10x26 | 40' | 1 | 4 | 4 | 1887 | 1.887 | 194064 |
| WF BEAMS 10x30 | 40' | 4 | 8 | 32 | 4370 | 17.480 | 194835 |
| WF BEAMS 10x30 | 40' | 7 | 8 | 56 | 4370 | 30.590 | 194837 |
| WF BEAMS 10x30 | 40' | 2 | 8 | 16 | 4370 | 8.740 | 194838 |

ArcelorMittal Olaberria-Bergara

ArcelorMittal Europe – Long Products

CARRETERA MADRID - IRUN, KM. 417

20212 OLABERRIA (Gipuzkoa)

TELEF. (943) 80.50.00 - FAX (943) 88.04.04



MILL TEST CERTIFICATE

OLA P-67519

| SIZE | LENGTH | BUNDLES | PIECES BUNDLES | TOTAL PIECES | WEIGHT BUNDLES | TOTAL WEIGHT | HEAT |
|----------------|--------|---------|----------------|--------------|----------------|--------------|--------|
| WF BEAMS 12x14 | 40' | 1 | 16 | 16 | 4063 | 4.063 | 194919 |
| WF BEAMS 14x30 | 40' | 1 | 2 | 2 | 1089 | 1.089 | 193964 |

TOTAL BUNDLES 51

TOTAL WEIGHT 229.458 Kg.

A02 EN 10204/3.1

CSA G40.21 50W/ASTM A572 G50/A992/A6-16a

(B01/B02/B03) A03
OLAP67519

| COLADA HEAT | COMPOSICION QUIMICA (%) CHEMICAL COMPOSITION (%) | | | | | | | | | | | | | |
|-------------|---|-------|------|------|------|------|------|------|------|------|------|------|------|-----|
| | C | Mn | Si | P | S | V | Cr | Ni | Mo | Cu | Nb | Sn | Al | CEV |
| B08 | | | | | | | | | | | | | | |
| 191481 | ,070 | ,910 | ,190 | ,022 | ,023 | ,007 | ,210 | ,160 | ,024 | ,370 | ,038 | ,026 | ,004 | ,31 |
| 193964 | ,089 | 1,030 | ,240 | ,019 | ,027 | ,005 | ,100 | ,160 | ,018 | ,400 | ,037 | ,029 | ,003 | ,32 |
| 194064 | ,084 | ,990 | ,230 | ,017 | ,022 | ,005 | ,110 | ,180 | ,042 | ,330 | ,030 | ,022 | ,001 | ,31 |
| 194835 | ,074 | ,960 | ,180 | ,018 | ,020 | ,006 | ,110 | ,160 | ,028 | ,410 | ,036 | ,022 | ,002 | ,30 |
| 194837 | ,061 | ,970 | ,180 | ,022 | ,020 | ,007 | ,150 | ,180 | ,034 | ,480 | ,038 | ,023 | ,001 | ,30 |
| 194838 | ,089 | ,990 | ,220 | ,017 | ,024 | ,006 | ,100 | ,180 | ,032 | ,390 | ,036 | ,024 | ,001 | ,32 |
| 194843 | ,070 | 1,060 | ,200 | ,021 | ,020 | ,005 | ,130 | ,160 | ,026 | ,360 | ,034 | ,029 | ,004 | ,31 |
| 194844 | ,063 | 1,040 | ,220 | ,021 | ,021 | ,005 | ,110 | ,150 | ,033 | ,370 | ,035 | ,028 | ,003 | ,30 |
| 194909 | ,071 | ,970 | ,210 | ,020 | ,023 | ,005 | ,110 | ,160 | ,047 | ,320 | ,034 | ,017 | ,002 | ,30 |
| 194910 | ,072 | ,940 | ,200 | ,019 | ,023 | ,004 | ,090 | ,150 | ,035 | ,310 | ,032 | ,017 | ,002 | ,29 |
| 194911 | ,070 | 1,020 | ,200 | ,018 | ,023 | ,004 | ,100 | ,130 | ,029 | ,310 | ,035 | ,016 | ,003 | ,30 |
| 194912 | ,075 | ,810 | ,210 | ,024 | ,020 | ,005 | ,100 | ,130 | ,027 | ,310 | ,032 | ,016 | ,002 | ,27 |
| 194915 | ,060 | ,990 | ,200 | ,015 | ,024 | ,005 | ,110 | ,150 | ,034 | ,340 | ,033 | ,022 | ,003 | ,29 |
| 194916 | ,056 | 1,000 | ,190 | ,015 | ,023 | ,005 | ,090 | ,140 | ,034 | ,320 | ,032 | ,023 | ,003 | ,28 |
| 194918 | ,088 | ,890 | ,180 | ,017 | ,020 | ,005 | ,110 | ,170 | ,038 | ,340 | ,032 | ,028 | ,003 | ,30 |
| 194919 | ,088 | ,980 | ,190 | ,018 | ,018 | ,005 | ,080 | ,160 | ,042 | ,400 | ,030 | ,029 | ,003 | ,31 |
| 194943 | ,078 | ,940 | ,220 | ,017 | ,020 | ,005 | ,110 | ,170 | ,038 | ,320 | ,030 | ,030 | ,003 | ,30 |
| 194944 | ,093 | ,910 | ,210 | ,017 | ,021 | ,006 | ,120 | ,170 | ,042 | ,320 | ,030 | ,023 | ,003 | ,31 |
| 194955 | ,075 | ,920 | ,210 | ,020 | ,025 | ,005 | ,100 | ,160 | ,030 | ,370 | ,031 | ,021 | ,002 | ,29 |
| 194956 | ,070 | ,930 | ,210 | ,016 | ,023 | ,005 | ,090 | ,140 | ,023 | ,320 | ,030 | ,026 | ,003 | ,28 |

| MATERIAL SIZE | COLADA HEAT | PROPIEDADES MECANICAS MECHANICAL PROPERTIES | | | | | |
|---------------|-------------|--|-----|-----------|-----|-------------|------|
| | | ReH MPa | | Rm MPa | | A% LO=8" | |
| B11 | B08 | C11 | | C12 | | C13 | |
| W-10x12 | 191481 | 430 | 430 | 552 | 530 | 22,3 | 22, |
| W-10x12 | 194944 | 449 | 443 | 551 | 541 | 22,3 | 22,2 |
| W-10x15 | 194955 | 445 | 447 | 544 | 524 | 22,5 | 21,9 |
| W-10x15 | 194956 | 444 | 442 | 553 | 535 | 22,4 | 22,3 |
| W-10x17 | 194943 | 442 | 440 | 561 | 549 | 22,6 | 21,9 |
| W-10x22 | 194915 | 418 | 416 | 525 | 513 | 23, | 22,1 |
| W-10x22 | 194916 | 416 | 406 | 534 | 528 | 22,6 | 22,3 |
| W-10x22 | 194918 | 422 | 414 | 552 | 532 | 24,5 | 23,9 |
| W-10x22 | 194919 | 456 | 442 | 569 | 561 | 23,7 | 23,6 |
| W-10x26 | 194064 | 440 | 424 | 558 | 540 | 23,1 | 22,6 |
| W-10x26 | 194843 | 438 | 420 | 553 | 547 | 22,2 | 22,1 |
| W-10x26 | 194844 | 422 | 420 | 548 | 536 | 22,4 | 21,9 |
| W-10x26 | 194909 | 429 | 427 | 550 | 530 | 22,5 | 21,9 |
| W-10x26 | 194910 | 427 | 423 | 536 | 521 | 22,2 | 22,1 |
| W-10x26 | 194911 | 427 | 417 | 534 | 518 | 22,4 | 21,9 |
| W-10x26 | 194912 | 415 | 403 | 512 | 505 | 22,2 | 21,8 |

ArcelorMittal Olaberria-Bergara

ArcelorMittal Europe – Long Products

CARRETERA MADRID - IRUN, KM. 417

20212 OLABERRIA (Gipuzkoa)

TELEF. (943) 80.50.00 - FAX (943) 88.04.04



MILL TEST CERTIFICATE

OLA P-67519

| MATERIAL SIZE | COLADA HEAT | PROPIEDADES MECANICAS MECHANICAL PROPERTIES | | | | | |
|------------------|----------------|--|-----|-----------|-----|-------------|------|
| | | ReH MPa | | Rm MPa | | A% LO=8" | |
| B11 | B08 | C11 | | C12 | | C13 | |
| W-10x30 | 194835 | 440 | 433 | 570 | 558 | 22,8 | 22,5 |
| W-10x30 | 194837 | 433 | 423 | 541 | 539 | 22,6 | 22,2 |
| W-10x30 | 194838 | 428 | 418 | 542 | 528 | 22,9 | 22,2 |
| W-12x14 | 194919 | 450 | 444 | 548 | 536 | 22,2 | 22, |
| W-14x30 | 193964 | 423 | 421 | 537 | 517 | 24,3 | 24,1 |

20 análisis

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

B06: Marca AMO

Responsable del Departamento de Calidad Z01

J. Galindo
 ArcelorMittal Olaberria-Bergara
 Jose Maria Galindo