



LIBERTY GALATI S.A. - Romania



1035
 QP00005_CPR2013-07-01_GA_V007
 QP00006_CPR2013-07-01_GA_V007
 CP00016_CPR2013-07-01_GA_V007

CUSTOMER / CLIENT : Metinvest International SA
 PRODUCT / PRODUS : HOT ROLLED HEAVY PLATES
 STEEL GRADE/MARCA OTEL: S235JR+R
 NORM / STANDARD : EN10025-2:2019

INSPECTION CERTIFICATE 20730407
 ACCORDING TO : EN 10204/2004/3.1
 DATE : 06.02.2023

ORDER / COMANDA : 902073/5008000
 DISPATCH / AVIZ EXPEDITIE : 7001711517
 WAGON / ID TRANSPORT : NR 2893(EX.0417)
 TRACKING NO. :
 PD.NO. : 2

TOTAL NUMBER OF PIECES: 27 / TOTAL WEIGHT: 26.515,00 KG

| NO | PLATE | HEAT NO | DIMENSIONS | PC | TEST NO | WEIGHT | UTS | YTS | L0 | E1 |
|----|-----------------|---------|-----------------|----|---------|--------|-------|-------|-----|----|
| | | | MMxMMxMM | | | | N/mm2 | N/mm2 | mm | |
| 1 | 589285/1022/1/1 | Y917843 | 14,00x1500x6000 | 1 | 3853 | 9436 | 436 | 322 | 105 | 30 |
| 2 | 589285/1022/1/2 | Y917843 | 14,00x1500x6000 | 1 | 3853 | 9436 | 436 | 322 | 105 | 30 |
| 3 | 589285/1022/1/3 | Y917843 | 14,00x1500x6000 | 1 | 3853 | 9436 | 436 | 322 | 105 | 30 |
| 4 | 589285/1022/1/4 | Y917843 | 14,00x1500x6000 | 1 | 3853 | 9436 | 436 | 322 | 105 | 30 |
| 5 | 589013/1022/1/1 | Y917962 | 14,00x1500x6000 | 1 | 3405 | 9446 | 446 | 328 | 105 | 30 |
| 6 | 589013/1022/1/2 | Y917962 | 14,00x1500x6000 | 1 | 3405 | 9446 | 446 | 328 | 105 | 30 |
| 7 | 589013/1022/1/3 | Y917962 | 14,00x1500x6000 | 1 | 3405 | 9446 | 446 | 328 | 105 | 30 |
| 8 | 589013/1022/1/4 | Y917962 | 14,00x1500x6000 | 1 | 3405 | 9446 | 446 | 328 | 105 | 30 |
| 9 | 589013/1022/1/5 | Y917962 | 14,00x1500x6000 | 1 | 3405 | 9446 | 446 | 328 | 105 | 30 |
| 10 | 589013/1022/1/3 | Y917962 | 14,00x1500x6000 | 1 | 3405 | 9446 | 446 | 328 | 105 | 30 |
| 11 | 589014/1022/1/4 | Y917965 | 10,00x2000x6000 | 1 | 2074 | 9429 | 429 | 333 | 90 | 30 |
| 12 | 589014/1022/1/1 | Y918058 | 14,00x1500x6000 | 1 | 2074 | 9429 | 429 | 333 | 90 | 30 |
| 13 | 589014/1022/1/3 | Y918058 | 14,00x1500x6000 | 1 | 3406 | 9457 | 457 | 320 | 105 | 31 |
| 14 | 589014/1022/1/4 | Y918058 | 14,00x1500x6000 | 1 | 3406 | 9457 | 457 | 320 | 105 | 31 |
| 15 | 589014/1022/1/6 | Y918058 | 14,00x1500x6000 | 1 | 3406 | 9457 | 457 | 320 | 105 | 31 |
| 16 | 589014/1022/2/1 | Y918058 | 14,00x1500x6000 | 1 | 3406 | 9457 | 457 | 320 | 105 | 31 |
| 17 | 589014/1022/2/2 | Y918058 | 14,00x1500x6000 | 1 | 3406 | 9457 | 457 | 320 | 105 | 31 |
| 18 | 589014/1022/2/3 | Y918058 | 14,00x1500x6000 | 1 | 3406 | 9457 | 457 | 320 | 105 | 31 |
| 19 | 589014/1022/2/4 | Y918058 | 14,00x1500x6000 | 1 | 3406 | 9457 | 457 | 320 | 105 | 31 |
| 20 | 589014/1022/2/5 | Y918058 | 14,00x1500x6000 | 1 | 3406 | 9457 | 457 | 320 | 105 | 31 |
| 21 | 589014/1022/3/1 | Y918058 | 14,00x1500x6000 | 1 | 3406 | 9457 | 457 | 320 | 105 | 31 |
| 22 | 589014/1022/3/2 | Y918058 | 14,00x1500x6000 | 1 | 3406 | 9457 | 457 | 320 | 105 | 31 |
| 23 | 589014/1022/3/3 | Y918058 | 14,00x1500x6000 | 1 | 3406 | 9457 | 457 | 320 | 105 | 31 |
| 24 | 589014/1022/3/4 | Y918058 | 14,00x1500x6000 | 1 | 3406 | 9457 | 457 | 320 | 105 | 31 |
| 25 | 589014/1022/3/5 | Y918058 | 14,00x1500x6000 | 1 | 3406 | 9457 | 457 | 320 | 105 | 31 |
| 26 | 588192/1022/1/1 | Y931767 | 10,00x2000x6000 | 1 | 2071 | 9432 | 432 | 331 | 90 | 30 |
| 27 | 588192/1022/1/3 | Y931767 | 10,00x2000x6000 | 1 | 2071 | 9432 | 432 | 331 | 90 | 30 |



CHEMICAL COMPOSITION (%) - L = Heat , P = Product

| L | HEAT NO | C | Si | Mn | P | S | Al | Ti | V | Cu | Ni | Cr | Mo | Nb | B | H2 | N2 | Ca | CEV2 |
|---|---------|------|------|------|-------|-------|-------|-------|-------|------|------|------|-------|-------|--------|--------|--------|--------|------|
| L | 917843 | 0,13 | 0,20 | 0,64 | 0,014 | 0,005 | 0,029 | 0,001 | 0,003 | 0,04 | 0,02 | 0,03 | 0,002 | 0,002 | 0,0002 | 0,0001 | 0,0099 | 0,0003 | 0,24 |
| L | 917962 | 0,13 | 0,17 | 0,68 | 0,011 | 0,012 | 0,048 | 0,001 | 0,002 | 0,05 | 0,02 | 0,04 | 0,003 | 0,002 | 0,0002 | 0,0001 | 0,0079 | 0,0005 | 0,25 |
| L | 918058 | 0,13 | 0,19 | 0,71 | 0,010 | 0,011 | 0,032 | 0,001 | 0,002 | 0,05 | 0,03 | 0,03 | 0,004 | 0,001 | 0,0001 | 0,0003 | 0,0075 | 0,0005 | 0,25 |
| L | 931767 | 0,15 | 0,19 | 0,64 | 0,019 | 0,009 | 0,038 | 0,001 | 0,003 | 0,05 | 0,03 | 0,03 | 0,004 | 0,002 | 0,0001 | 0,0002 | 0,0091 | 0,0002 | 0,25 |
| | | | | | 0,016 | 0,005 | 0,031 | 0,001 | 0,002 | 0,04 | 0,03 | 0,03 | 0,003 | 0,002 | 0,0002 | 0,0002 | 0,0083 | 0,0002 | 0,27 |

Steelmaking process:
 Made by EBF-Continuous Casting
 Galvanizing class
 Carbon equivalent formula:
 CEV2 = C+Mn/6+(Cr+Ni+V)/5+(Ni+Cu)/15

Delivery condition: As rolled
 Checking of marking, surface, shape and dimensions-ok
 Surface: EN 10163/2-2004, class A, subclass 1
 Tolerance:
 Sizes: EN 10029/2010, tab.1 class A, tab.2, tab.3
 Flatness: EN 10029/2010, class N, tab.4

THIRD PART INSPECTION

HEAD OF QUALITY CONTROL
BORS IONUT

SIGNATURE

INSPECTOR'S STAMP



LIBERTY GALATI S.A. No.1 Calea Smirdan,
 Galati, Postcode 800698, Romania
 libertysteelgroup.com/ro/

We hereby certify that the material has been made by an approved process and satisfactorily tested in accordance with the requirements specified in the order with satisfactory results. All raw materials used in steel production are tested for radioactive contamination. Therefore we guarantee, that our products are free of radioactive contamination and do not exceed the clearing limit value of 0,1 Bq/g, according with the Radiation Protection Ordinance (StrLBNV) Annex III, Section 5)



1035
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QP00006_CPR2013-07-01_GA_V007
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LIBERTY GALATI S.A. - Romania



CUSTOMER / CLIENT : Metinvest International SA
PRODUCT / PRODUS : HOT ROLLED HEAVY PLATES
STEEL GRADE/MARCA CETEL: S235JR+AR
NORM / STANDARD : EN10025-2:2010

INSPECTION CERTIFICATE 20730463
ACCORDING TO : EN 10204/2004/3.1
DATE : 07.02.2023

ORDER / COMANDA : 502073/5008080
DISPATCH / AVIZ EXPEDITIE : 7001711161
WAGON / ID TRANSPORT : NR 2093(EX.0017)
TRACKING NO. :
PO.NO. : 2

TOTAL NUMBER OF PIECES: 22 / TOTAL WEIGHT: 25.148,00 KG

| NO | PLATE | HEAT NO | DIMENSIONS | PC | TEST NO | WEIGHT | UTS | YTS | LO | EI |
|----|------------------|---------|-----------------|----|---------|--------|-----|-----|-----|----|
| 1 | 588342/1022/1/3 | Y917448 | 16,00x1500x6000 | 1 | 2766 | 1.130 | 442 | 331 | 115 | 31 |
| 2 | 588342/1022/1/4 | Y917448 | 16,00x1500x6000 | 1 | 2766 | 1.130 | 442 | 331 | 115 | 31 |
| 3 | 588342/1022/1/5 | Y917448 | 16,00x1500x6000 | 1 | 2766 | 1.130 | 442 | 331 | 115 | 31 |
| 4 | 588342/1022/2/3 | Y917448 | 16,00x1500x6000 | 1 | 2766 | 1.130 | 442 | 331 | 115 | 31 |
| 5 | 588342/1022/2/4 | Y917448 | 16,00x1500x6000 | 1 | 2766 | 1.130 | 442 | 331 | 115 | 31 |
| 6 | 588342/1022/4/2 | Y917448 | 16,00x1500x6000 | 1 | 2766 | 1.130 | 442 | 331 | 115 | 31 |
| 7 | 588435/1022/1/3 | Y917448 | 10,00x2000x6000 | 1 | 2563 | 942 | 469 | 371 | 90 | 31 |
| 8 | 588435/1022/1/4 | Y917448 | 10,00x2000x6000 | 1 | 2613 | 942 | 455 | 376 | 90 | 31 |
| 9 | 588435/1022/1/5 | Y917448 | 10,00x2000x6000 | 1 | 2613 | 942 | 455 | 376 | 90 | 31 |
| 10 | 588435/1022/3/2 | Y917448 | 10,00x2000x6000 | 1 | 2818 | 1.130 | 449 | 322 | 115 | 31 |
| 11 | 588435/1022/3/3 | Y917448 | 10,00x2000x6000 | 1 | 2818 | 1.130 | 449 | 322 | 115 | 31 |
| 12 | 588435/1022/3/4 | Y917448 | 10,00x2000x6000 | 1 | 2818 | 1.130 | 449 | 322 | 115 | 31 |
| 13 | 588435/1022/3/5 | Y917448 | 10,00x2000x6000 | 1 | 2818 | 1.130 | 449 | 322 | 115 | 31 |
| 14 | 588435/1022/1/1 | Y917448 | 16,00x1500x6000 | 1 | 2819 | 1.130 | 449 | 322 | 115 | 31 |
| 15 | 588435/1022/1/2 | Y917448 | 16,00x1500x6000 | 1 | 2819 | 1.130 | 446 | 319 | 115 | 31 |
| 16 | 588435/1022/1/5 | Y917637 | 16,00x1500x6000 | 1 | 2819 | 1.130 | 416 | 305 | 115 | 31 |
| 17 | 5888698/1022/1/5 | Y917851 | 18,00x1500x6000 | 1 | 2805 | 1.130 | 441 | 322 | 120 | 31 |
| 18 | 5888698/1022/1/1 | Y917851 | 18,00x1500x6000 | 1 | 2805 | 1.130 | 441 | 322 | 120 | 31 |
| 19 | 5888437/1022/1/2 | Y917966 | 18,00x1500x6000 | 1 | 2760 | 1.130 | 441 | 322 | 120 | 31 |
| 20 | 5888437/1022/1/3 | Y917966 | 18,00x1500x6000 | 1 | 2760 | 1.130 | 441 | 322 | 120 | 31 |
| 21 | 5888437/1022/1/5 | Y917966 | 18,00x1500x6000 | 1 | 2760 | 1.130 | 441 | 322 | 120 | 31 |
| 22 | 5888437/1022/1/6 | Y917966 | 18,00x1500x6000 | 1 | 2760 | 1.272 | 438 | 315 | 120 | 31 |



CHEMICAL COMPOSITION (*) - L = Heat , P = Product

| L | HEAT NO | C | Si | Mn | P | S | Al | As | Ti | V | Cu | Ni | Cr | Mo | Nb | B | H2 | N2 | Zr | Ca | Sn | CEV2 |
|---|---------|------|------|------|-------|-------|-------|--------|-------|-------|------|------|------|-------|-------|--------|--------|--------|--------|--------|--------|------|
| L | 917448 | 0,13 | 0,17 | 0,70 | 0,027 | 0,014 | 0,038 | 0,0000 | 0,001 | 0,003 | 0,05 | 0,03 | 0,03 | 0,004 | 0,002 | 0,0002 | 0,0002 | 0,0071 | 0,0000 | 0,0001 | 0,0000 | 0,26 |
| L | 917637 | 0,12 | 0,01 | 0,68 | 0,010 | 0,011 | 0,047 | 0,0000 | 0,000 | 0,002 | 0,06 | 0,03 | 0,02 | 0,004 | 0,002 | 0,0001 | 0,0005 | 0,0090 | 0,0000 | 0,0003 | 0,0000 | 0,24 |
| L | 917851 | 0,13 | 0,16 | 0,68 | 0,015 | 0,013 | 0,054 | 0,0000 | 0,001 | 0,003 | 0,05 | 0,02 | 0,02 | 0,002 | 0,002 | 0,0001 | 0,0003 | 0,0099 | 0,0000 | 0,0001 | 0,0000 | 0,25 |
| L | 917966 | 0,12 | 0,17 | 0,66 | 0,014 | 0,010 | 0,041 | 0,0000 | 0,001 | 0,003 | 0,04 | 0,02 | 0,03 | 0,003 | 0,002 | 0,0002 | 0,0003 | 0,0093 | 0,0000 | 0,0005 | 0,0000 | 0,24 |

Steelmaking process:
Made by BOF-Continuous Casting
Galvanizing class
Carbon equivalent formula:
CEV2 = C+Mn/6+(Cr+Mo+V)/5+(Ni+Cu)/15

Delivery condition: As rolled
Checking of marking, surface, shape and dimensions-ok
Surface: EN 10163/2-2004, class A, subclass 1
Tolerance:
Sizes: EN 10029/2010, tab.1 class A, tab.2, tab.3
Flatness: EN 10029/2010, class N, tab.4

THIRD PART INSPECTION

SIGNATURE

INSPECTOR'S STAMP

HEAD OF QUALITY CONTROL
BOFSIONUT

BUREAU OLIVIA
INSPECTOR

LIBERTY GALATI S.A. No.1 Calea Smirdan,
Galati, Postcode 800698, Romania
libertysteelgroup.com/ro/

We hereby certify that the material has been made by an approved process and satisfactorily tested in accordance with the requirements specified in the order with satisfactory results. All raw materials used in steel production are tested for radioactive contamination. Therefore we guarantee, that our products are free of radioactive contamination and do not exceed the clearing limit value of 0,1 Bq/g, according with the Radiation Protection Ordinance (Strasbourg Annex III, Section 5)