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| Contract No. | |
| Customer | GERDAU CORSA SAPI DE CV |
| L/C No. | DPCMXH500022 |
| P/O No. | 32201501C211 |
| Commodity | HOT ROLLED WIDE FLANGE BEAMS |
| Specification | ASTM A572 G50/A992/ CSA 350W |

MILL TEST CERTIFICATE

EN 10204(2004) TYPE 3.1


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| | | |
| Certificate No. | IH20150105199 - 30 | |
| Class Cert. No. | | |
| Date of issue | 2015-02-02 | |

| Dimensions & Length | Heat No. | Places Weights (kg) | Chemical Composition (%) | | | | | | | | | | | Tensile Test | | | Impact Test (V-notch) | | | | Remarks (Impact Specimen Size) | |
|----------------------|----------|---------------------------|--------------------------|----|----|-------|----|------|----|-------|----|----|-------------------|-------------------|-------------|---------------------------|-----------------------|-----|---|---|-----------------------------------|---|
| | | | C | Si | Mn | P | S | Cu | Mo | Al | Nb | Sn | CE ⁽¹⁾ | Tensile Strength | Yield point | Elongation ⁽²⁾ | Yield Ratio | AVG | 1 | 2 | | 3 |
| | | | x100 | | | x1000 | | x100 | | x1000 | | | x100 | N/mm ² | | % | | () | C | | | |
| 18X11X76 40.00 FT | N 026641 | 21 28,959 | 18 | 16 | 97 | 25 | 10 | 28 | 3 | 5 | 7 | 13 | 41 | 582 | 447 | 23.0 | 0.77 | | | | | |
| 18X11X76 40.00 FT | N 027033 | 1 1,379 | 18 | 19 | 99 | 21 | 10 | 26 | 2 | 5 | 7 | 17 | 40 | 559 | 407 | 24.0 | 0.73 | | | | | |
| 18X11X76 40.00 FT | N 027034 | 1 1,379 | 19 | 15 | 99 | 18 | 8 | 21 | 2 | 5 | 6 | 17 | 40 | 580 | 407 | 25.0 | 0.73 | | | | | |
| 18X11X76 40.00 FT | N 027035 | 2 2,758 | 18 | 15 | 99 | 21 | 11 | 28 | 2 | 5 | 7 | 13 | 41 | 552 | 396 | 24.5 | 0.72 | | | | | |
| 18X11X86 40.00 FT | N 025803 | 1 1,561 | 20 | 16 | 68 | 26 | 10 | 27 | 2 | 4 | 6 | 11 | 38 | 539 | 415 | 26.0 | 0.77 | | | | | |
| 18X11X86 40.00 FT | N 025804 | 1 1,561 | 18 | 15 | 64 | 21 | 10 | 24 | 2 | 4 | 4 | 12 | 34 | 541 | 417 | 25.5 | 0.77 | | | | | |
| 18X11X86 40.00 FT | N 026641 | 24 37,484 | 18 | 16 | 97 | 25 | 10 | 29 | 3 | 5 | 7 | 13 | 41 | 582 | 426 | 23.5 | 0.73 | | | | | |
| 18X11X86 40.00 FT | N 026642 | 54 84,294 | 18 | 18 | 99 | 23 | 9 | 26 | 3 | 6 | 6 | 12 | 41 | 578 | 422 | 23.0 | 0.73 | | | | | |
| 18X11X86 40.00 FT | N 026643 | 54 84,294 | 19 | 14 | 99 | 26 | 10 | 32 | 3 | 4 | 6 | 16 | 44 | 589 | 432 | 24.0 | 0.73 | | | | | |
| 18X11X86 40.00 FT | | 54 84,294 | | | | | | 9 | 14 | 26 | | | 41 | 585 | 430 | 23.5 | 0.74 | | | | | |
| 18X11X86 40.00 FT | | 54 84,294 | | | | | | 10 | 21 | 24 | | | 44 | 575 | 427 | 24.5 | 0.74 | | | | | |
| 18X11X86 40.00 FT | | 54 84,294 | | | | | | 10 | 21 | 24 | | | 44 | 570 | 430 | 24.0 | 0.75 | | | | | |
| SUB TOTAL | | 159 243,649 | | | | | | | | | | | | | | | | | | | | |

(Note) (1) Ceq: (CE=C+Mn/6+Cr/5+V/5+Mo/5+Ni/15+Cu/15)

(2) Gauge length : 200 mm

(3) Yield Ratio = YP/TS

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|  General Manager of Q.A Team | WE HEREBY CERTIFY THAT THE MATERIAL HAS BEEN MADE AND TESTED IN ACCORDANCE WITH THE ABOVE SPECIFICATION AND ALSO WITH THE REQUIREMENTS CALLED FOR THE ABOVE ORDER | |
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