

GERDAU CORSA SAPI DE CV  
 KM. 3 CARRETERA MÉXICO - SAHAG  
 GERDAU CORSA SAPI DE CV, MEXICO  
 43990  
 SAHAGÚN

**CERTIFICADO DE CALIDAD**

|  |  |                             |  |                              |
|--|--|-----------------------------|--|------------------------------|
| CLIENTE A ENVIAR<br>PLESA ANAHUAC Y CIAS SA DE CV<br>AVENIDA VALLE DE LAS ALAMEDAS<br>TULTITLAN DE MARIANO ESCO.MEX<br>54940 | CLIENTE A FACTURAR<br>PLESA ANAHUAC Y CIAS SA DE CV<br>AVENIDA VALLE DE LAS ALAMEDAS<br>TULTITLAN DE MARIANO ESCO.MEX<br>54940<br>México | GRADO<br>ASTM A992/A572 G50 | PRODUCTO / MEDIDA<br>Wide Flange Beam / 21 x 44# / 530 x 65.5  | CERTIFICATE ID<br>0000057108 |
| PEDIDO DE VENTA<br>6514096/000240  |  | CUSTOMER MATERIAL N°        | ESPECIFICACIÓN TÉCNICA<br>ASTM A572-13 G50<br>ASTM A6-14<br>ASTM A992-11 (2015)<br>CSA G40.21-13 345WM |                              |
| ORDEN DE COMPRA DEL CLIENTE<br>26912 Tultitlan   | CARTA DE EMBARQUE  | FECHA<br>25.06.2018         | LONGITUD<br>12.20 M  | PESO<br>15.980 KG            |
|  |  |                             | COLADA / LOTE<br>11013128/03   |                              |

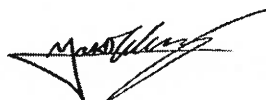
|                     |         |        |        |         |         |         |         |         |         |        |       |         |
|---------------------|---------|--------|--------|---------|---------|---------|---------|---------|---------|--------|-------|---------|
| COMPOSICIÓN QUÍMICA |         |        |        |         |         |         |         |         |         |        |       |         |
| C<br>%              | Mn<br>% | S<br>% | P<br>% | Cr<br>% | Cu<br>% | Mo<br>% | Nb<br>% | Ni<br>% | Si<br>% | V<br>% | C.E.  | Pb<br>% |
| 0.096               | 1.079   | 0.029  | 0.012  | 0.092   | 0.207   | 0.017   | 0.001   | 0.080   | 0.221   | 0.041  | 0.325 | 0.000   |

|                     |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| COMPOSICIÓN QUÍMICA |  |  |  |  |  |  |  |  |  |  |  |  |
| Sn<br>%             |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.021               |  |  |  |  |  |  |  |  |  |  |  |  |

|                       |               |             |               |              |           |  |
|-----------------------|---------------|-------------|---------------|--------------|-----------|--|
| PROPIEDADES MECÁNICAS |               |             |               |              |           |  |
| YS/FY<br>KSI          | UTS/FU<br>KSI | Elong.<br>% | UTS/FU<br>MPa | YS/FY<br>MPa | G/L<br>mm |  |
| 53.2                  | 67.0          | 27.0        | 462.3         | 367.0        | 200       |  |

|                       |  |  |  |  |  |  |
|-----------------------|--|--|--|--|--|--|
| PROPIEDADES MECÁNICAS |  |  |  |  |  |  |
| YS/UTS                |  |  |  |  |  |  |
| 0.79                  |  |  |  |  |  |  |

|                     |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|
| COMENTARIOS / NOTAS |  |  |  |  |  |  |
|                     |  |  |  |  |  |  |

 CARLOS MOSS VELEZ