

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 54940 | CLIENTE A FACTURAR<br>PLESA ANAHUAC Y CIAS SA DE CV<br>AVENIDA VALLE DE LAS ALAMEDAS<br>TULTITLAN DE MARIANO ESCO,MEX 54940<br>México | GRADO<br>ASTM A992/A572 G50 | PRODUCTO / MEDIDA<br>Wide Flange Beam / 10 X 15# / 250 X 22.3 | CERTIFICATE ID<br>0000048579   |
| PEDIDO DE VENTA<br>6203418/000010   |   | CUSTOMER MATERIAL N°        | LONGITUD<br>12.20 M   | PESO<br>272 KG   |
| ORDEN DE COMPRA DEL CLIENTE<br>Complemento Tultitla   |   | CARTA DE EMBARQUE           | FECHA<br>05.03.2018   | ESPECIFICACIÓN TÉCNICA<br>ASTM A572-13 G50<br>ASTM A6-14<br>ASTM A992-11 (2015)<br>CSA G40.21-13 345WM |
|   |   |                             |   | COLADA / LOTE<br>11011175/04   |

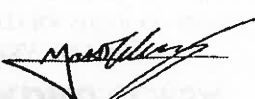
|                     |         |        |        |         |         |         |         |         |         |        |       |         |
|---------------------|---------|--------|--------|---------|---------|---------|---------|---------|---------|--------|-------|---------|
| COMPOSICIÓN QUÍMICA |         |        |        |         |         |         |         |         |         |        |       |         |
| 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>% |
| 0.105               | 1.079   | 0.027  | 0.011  | 0.074   | 0.218   | 0.016   | 0.000   | 0.070   | 0.203   | 0.040  | 0.330 | 0.001   |

|                     |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| COMPOSICIÓN QUÍMICA |  |  |  |  |  |  |  |  |  |  |  |  |
| Sn<br>%             |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.025               |  |  |  |  |  |  |  |  |  |  |  |  |

|                       |               |             |               |              |           |
|-----------------------|---------------|-------------|---------------|--------------|-----------|
| PROPIEDADES MECÁNICAS |               |             |               |              |           |
| YS/FY<br>KSI          | UTS/FU<br>KSI | Elong.<br>% | UTS/FU<br>MPa | YS/FY<br>MPa | G/L<br>mm |
| 59.1                  | 75.2          | 27.0        | 518.7         | 407.6        | 200       |

|                       |  |
|-----------------------|--|
| PROPIEDADES MECÁNICAS |  |
| YS/UTS                |  |
| 0.8                   |  |

COMENTARIOS / NOTAS

 CARLOS MOSS VELEZ