

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<br>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 / 14 x 22# / 360 x 32.7 | CERTIFICATE ID<br>0000064814 |
| PEDIDO DE VENTA<br>7085070/000070   |  | CUSTOMER MATERIAL N°   |  | LONGITUD<br>12.20 M  | PESO<br>8,377 KG  | COLADA / LOTE<br>11013851/04 |
| ORDEN DE COMPRA DEL CLIENTE<br>27501  |  | CARTA DE EMBARQUE  |  | ESPECIFICACIÓN TÉCNICA<br>ASTM A572-13 G50<br>ASTM A6-14<br>ASTM A992-11 (2015)<br>CSA G40.21-13 345WM |   |                              |
|   |  | FECHA<br>19.10.2018  |  |  |   |                              |

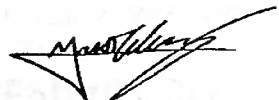
|                     |         |        |        |         |         |         |         |         |         |        |       |         |
|---------------------|---------|--------|--------|---------|---------|---------|---------|---------|---------|--------|-------|---------|
| COMPOSICIÓN QUÍMICA |         |        |        |         |         |         |         |         |         |        |       |         |
| 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>% |
| 0.106               | 1.102   | 0.025  | 0.013  | 0.099   | 0.182   | 0.017   | 0.018   | 0.068   | 0.196   | 0.002  | 0.330 | 0.000   |

|                     |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------|--|--|--|--|--|--|--|--|--|--|--|--|
| COMPOSICIÓN QUÍMICA |  |  |  |  |  |  |  |  |  |  |  |  |
| Sn<br>%             |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.014               |  |  |  |  |  |  |  |  |  |  |  |  |

|                       |               |             |               |              |           |
|-----------------------|---------------|-------------|---------------|--------------|-----------|
| PROPIEDADES MECÁNICAS |               |             |               |              |           |
| YS/FY<br>KSI          | UTS/FU<br>KSI | Elong.<br>% | UTS/FU<br>MPa | YS/FY<br>MPa | G/L<br>mm |
| 55.6                  | 69.5          | 21.5        | 479.0         | 383.6        | 200       |

|                       |  |
|-----------------------|--|
| PROPIEDADES MECÁNICAS |  |
| YS/UTS                |  |
| 0.80                  |  |

COMENTARIOS / NOTAS

 CARLOS MOSS VELEZ