GERDAU

CALVERT CITY STEEL MILL
1035 SHAR-CAL ROAD
CALVERT CITY KY 42029 USA

## Chemical and Physical Test Report

**MADE IN UNITED STATES**

**CUSTOMER: GERDAU CORSA S A P I DE CV**

| SHAPE + SIZE | GRADE | SPECIFICATION | SALES ORDER | CUST P.O. NUMBER |
|---|---|---|---|---|
| A8 X 8 X 5/8 | A572-50T2 | ASTM A572-50 TYPE 2-07, A709 GR50/345 | | |

| HEAT I.D. | C | Mn | P | S | Si | Cu | Ni | Cr | Mo | V | Nb | Sn | C Eqv |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Y017784 | .14 | .99 | .005 | .020 | .29 | .19 | .09 | .05 | .021 | .027 | <.008 | .009 | .392 |

Mechanical Test: Yield 52000 PSI, 358.53 MPA Tensile: 73000 PSI, 503.32 MPA %El: 25.0/8in, 25.0/203.2mm Corrosion Index: 4.54
**Customer Requirements** **CASTING: STRAND CAST**
Mechanical Test: Yield 51000 PSI, 351.63 MPA Tensile: 72000 PSI, 496.42 MPA %El: 25.0/8in, 25.0/203.2mm Corrosion Index: 4.54
**Customer Requirements** **CASTING: STRAND CAST**

| SHAPE + SIZE | GRADE | SPECIFICATION | SALES ORDER | CUST P.O. NUMBER |
|---|---|---|---|---|
| A8 X 8 X 5/8 | A572-50T2 | ASTM A572-50 TYPE 2-07, A709 GR50/345 | | |

| HEAT I.D. | C | Mn | P | S | Si | Cu | Ni | Cr | Mo | V | Nb | Sn | C Eqv |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Y017788 | .14 | .99 | .008 | .022 | .25 | .27 | .09 | .07 | .020 | .027 | <.008 | .013 | .394 |

Mechanical Test: Yield 51000 PSI, 351.63 MPA Tensile: 72000 PSI, 496.42 MPA %El: 26.0/8in, 26.0/203.2mm Corrosion Index: 5.35
**Customer Requirements** **CASTING: STRAND CAST**
Mechanical Test: Yield 50000 PSI, 344.74 MPA Tensile: 72000 PSI, 496.42 MPA %El: 25.0/8in, 25.0/203.2mm Corrosion Index: 5.35
**Customer Requirements** **CASTING: STRAND CAST**

This material, including the billets, was melted and manufactured in the United States of America

Bhaskar Yalamanchili
Quality Director
Gerdau

THE ABOVE FIGURES ARE CERTIFIED CHEMICAL AND PHYSICAL TEST RECORDS AS CONTAINED IN THE PERMANENT RECORDS OF COMPANY.

Metallurgical Services Manager
CALVERT CITY STEEL MILL

Seller warrants that all material furnished shall comply with specifications subject to standard published manufacturing variations. NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, ARE MADE BY THE SELLER, AND SPECIFICALLY EXCLUDED ARE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
In no event shall seller be liable for indirect, consequential or punitive damages arising out of or related to the materials furnished by seller.
Any claim for damages for materials that do not conform to specifications must be made from buyer to seller immediately after delivery of same in order to allow the seller the opportunity to inspect the material in question.