GERDAU
CALVERT CITY STEEL MILL
1035 SHAR-CAL ROAD
CALVERT CITY KY 42029 USA
(270) 395-3100

Chemical and Physical Test Report
MADE IN UNITED STATES

Y-072202

SHIP TO	INVOICE TO	SHIP DATE
GERDAU CORSA SAPI DE CV TRANSPORTE DE GAS ROAN SA ZVP 16-603-717 ESCOBEDO, NL	GERDAU CORSA S A P I DE CV KM 3 CARRETERA MEXICO- CD SAHAGUN S/N SAHAGUN, HG 43990	02/16/12 CUST. ACCOUNT NO 60340764

PRODUCED IN: CALVERT CITY

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	1106811-04	4500092030-04

HEAT I.D.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	Sn	C Eqv
Y017789	.14	1.00	.005	.019	.32	.22	.08	.06	.020	.030	<.008	.010	.402

Mechanical Test: Yield 51000 PSI, 351.63 MPA Tensile: 72000 PSI, 496.42 MPA %El: 23.0/8in, 23.0/203.2mm Corrosion Index: 4.92
Customer Requirements CASTING: STRAND CAST
Mechanical Test: Yield 51000 PSI, 351.63 MPA Tensile: 73000 PSI, 503.32 MPA %El: 24.0/8in, 24.0/203.2mm Corrosion Index: 4.92
Customer Requirements CASTING: STRAND CAST

PRODUCED IN: CALVERT CITY

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	1106811-04	4500092030-04

HEAT I.D.	C	Mn	P	S	Si	Cu	Ni	Cr	Mo	V	Nb	Sn	C Eqv
Y017792	.14	.98	.005	.018	.27	.25	.08	.06	.022	.026	<.008	.011	.392

Mechanical Test: Yield 52000 PSI, 358.53 MPA Tensile: 73000 PSI, 503.32 MPA %El: 24.0/8in, 24.0/203.2mm Corrosion Index: 5.14
Customer Requirements CASTING: STRAND CAST
Mechanical Test: Yield 53000 PSI, 365.42 MPA Tensile: 74000 PSI, 510.21 MPA %El: 25.0/8in, 25.0/203.2mm Corrosion Index: 5.14
Customer Requirements CASTING: STRAND CAST

Customer Notes

NO WELD REPAIRMENT PERFORMED. STEEL NOT EXPOSED TO MERCURY.
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.