

CERTIFIED MATERIAL TEST REPORT



US-ML-CARTERSVILLE
384 OLD GRASSDALE ROAD NE
CARTERSVILLE, GA 30121
USA

| | | | | | | |
|---|--|---|--|--------------------------|---------------------------------|-----------------------------|
| CUSTOMER SHIP TO GERDAU CORSA S A P I DE CV EX RENAULT ESTACION HB22 8385 CIUDAD DE FRAY BERNARDINO,HGO 43990 Mexico | | CUSTOMER BILL TO GERDAU CORSA S A P I DE CV CARRETERA MEXICO CD SAHAGUN SN CD SAHAGUN,HGO 43990 Mexico | | GRADE A36/44W/A572-50 | SHAPE / SIZE Angle / 6X4X3/8 | |
| SALES ORDER 381406/000020 | | CUSTOMER MATERIAL N° | | LENGTH 40'00" | WEIGHT 56,580 LB | HEAT / BATCH 55027115/02 |
| CUSTOMER PURCHASE ORDER NUMBER 4500737887 | | BILL OF LADING 1323-0000005727 | | DATE 28.05.2013 | | |
| SPECIFICATION / DATE or REVISION 1-ASTM A6/A6M-11 2-A36/A36M-08 3-CSA G40.21-04 (R2009) 5-A709-11 | | | | | | |

| CHEMICAL COMPOSITION | | | | | | | | | | | | | |
|----------------------|---------|--------|--------|---------|---------|---------|---------|---------|--------|---------|--------|---------|--|
| C % | Mn % | P % | S % | Si % | Cu % | Ni % | Cr % | Mo % | V % | Nb % | N % | Pb % | |
| 0.14 | 0.91 | 0.011 | 0.026 | 0.20 | 0.28 | 0.10 | 0.04 | 0.029 | 0.018 | 0.001 | 0.0080 | 0.0060 | |

| CHEMICAL COMPOSITION |
|----------------------|
| Sn % |
| 0.012 |

| MECHANICAL PROPERTIES | | | | | | |
|-----------------------|-------------|------------|------------|----------------|-----------|--|
| Elong. % | G/L Inch | UTS PSI | UTS MPa | YS 0.2% PSI | YS MPa | |
| 23.00 | 8.000 | 73000 | 503 | 52600 | 363 | |
| 24.30 | 8.000 | 74900 | 516 | 53200 | 367 | |

COMMENTS / NOTES

The above figures are certified chemical and physical test records as contained in the permanent records of company. This material, including the billets, was melted and manufactured in the USA. We certify that these data are correct and in compliance with specified requirements. CMTR complies with EN 10204 3.1.

Bhaskar
BHASKAR YALAMANCHILI
QUALITY DIRECTOR

Yan Wang
YAN WANG
QUALITY ASSURANCE MGR.