



APM Division de: IMSA-MEX, SA DE CV

Reference: Miprcert1e.Rpt
Date: 30 Sep 2003

Page: 1 of 1

TEST CERTIFICATE No. MTY 515253

Ship from:
APM Division de: IMSA-MEX, SA DE CV
Churubusco #1000
Col. Santa Fé
Monterrey, Nuevo León 64540
Tel. 8329-5000 Fax: 8329-5024

P/O No. GIA-02/03
S/O No. MTY 45184 / 2
B/L No. MTY 491695 / 1
Inv No. MTY

Shp. 30 09/2003
2906-4

Sold to: (742)
GRUPO INDUSTRIAL ACERERO. SA DE CV
AV. AMSTERDAM # 240 INT. 1-A
COL. HIPODROMO CONDESA.DEL. CUAUHT.
MEXICO. D.F.
RFC: GIA-971119-FV5 CP 06100

Ship to:
GRUPO INDUSTRIAL ACERERO. SA DE CV
FRANCISCO VILLA # 27
COL. JARDINES DE XALOSTOC
ECATEPEC. EDO. DE MEX

CERTIFICATE OF ANALYSIS AND TEST Cert. No. MTY 515253

RI 8106 CCTDA105X48.00-1006
CINIA.C.TEMP.DEC.ACE SAE-1006
GaN 2.66 mm x Ancho 1220 mm (GaN 0.1047 in. x Ancho X48.00-1006 in.)
RD1248106

| Heat | Properties | Tag | Pcs. | Weight |
|-----------|---|---------|------|--------------|
| U00060950 | HRB=64/APRO=<JAJ>/MILLS=<0000000050>/ THICKNESS=2.6830 | 607444E | 1 | 6,260 6431-B |

1 6,260

| Heat | **** Chemical Analysis **** |
|-----------|---|
| U00060950 | C=0.068 Mn=0.194 Si=0.007 P=0.009 S=0.0131 Al=0.033 |

MECHANICAL TESTS RESULTS ARE IN PSI AND THE PERCENT OF ELONGATION IS IN 2" OF CALIBRATED LENGTH.
FOR ANY QUESTION WE JUST ACCEPT THEM FROM THE CUSTOMER ABOVE MENTIONED AND WITH THE ORIGINAL DOCUMENT.
WE HEREBY CERTIFY THAT THE INFORMATION HERE REPORTED IS CORRECT AND EXIST IN THE FILES OF THE COMPANY.

The equipment and test methods used for to get the results above described as apply, are as follows:
Hardness-ASTM E 18-02- Hardness Tester-LA-E-0002.LA-E-0003
Cup Erichsen Test- ASTM E 643-84(2000)- T.O. Cup Tester-LA-E-0005
Tensile Test-ASTM E 8-01,ASTM A 370-01, ASTM E-517-01, ASTM E-646-00
- T.O.Tensile Machine-LA-E-0001, LA-E-0083
Grain Size- ASTM E 112-96,-Metallurgical Microscope Nikon LA-E-0006
Non Metallic Inclusions-ASTM E 45-97 - Metallurgical Microscope Nikon LA-E-0006
Magnetic Properties-ASTM A 343-97- Epstein Tester LA-E-0058

LABORATORY'S CHIEF

30 SEP 30 11 00 AM