

APM Division de: IMSA-MEX, SA DE CV

TEST CERTIFICATE No. MTY 512638

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 488967 / 1**

Inv No. **MTY**

Shp. 17/09/2003

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

2906-3

CERTIFICATE OF ANALYSIS AND TEST

Cert. No. MTY 512638

RI 48106 CCTDA105X48.00-1006

C. A.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
X00063138	HRB=59/APRO=<JUG>/MILLS=<0000000050>/ THICKNESS=2.6600	44629	1	6,740 6194-B

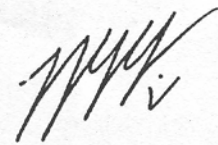
1 6,740

Heat	**** Chemical Analysis ****
X00063138	C=0.0627 Mn=0.188 Si=0.006 P=0.009 S=0.0146 Al=0.032

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
- Magetic Properties-ASTM A 343-97- Epstein Tester LA-E-0058



LABORATORY'S CHIEF