

# APM Division de: IMSA-MEX, SA DE CV



## TEST CERTIFICATE No. MTY 559949

4984C

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-04/03  
S/O No. MTY 46059 / 1  
B/L No. MTY 537608 / 1  
Inv No. MTY

Shp. 23/03/2004

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 559949

RCTDAM0804800-1006 3.5-5T  
R.C.TEMP.DEC.ACEIT.O.M. SAE-1006  
GaN 2.03 mm x Ancho 1220 mm (GaN 0.0800 in. x Ancho 4800-1006 3.5-5T in.)

Heat	Properties	Tag	Pcs.	Weight
0331215	HRB=59/APRO=<JOE>/MILLS=<0000000050>/ THICKNESS=2.0390	620142F	1	3,687 1632-C ✓
0331215	HRB=59/APRO=<JOE>/MILLS=<0000000050>/ THICKNESS=2.0390	620142G	1	4,285

2      7,972

Heat	**** Chemical Analysis ****
0331215	C=0.056 Mn=0.192 Si=0.0143 P=0.0092 S=0.007 Al=0.0486

THE 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