

**PERFILES COMERCIALES SIGOSA S.A. DE C.V.**  
 Calzada Vallejo No. 1361 Local H, Nueva Industrial Vallejo Mexico, D.F. C.P. 07700  
 Almacén Matamoros Tel. (868)150-1900 al 29 Fax. (868)150-19-53 y 54

**Certificado de Calidad de Pruebas Físicas y Químicas**  
 ( Mill Test Report )

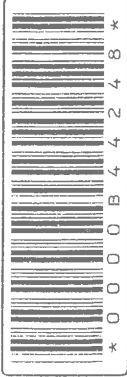
Información del Cliente / Client Information :

PLESA ANAHUAC Y CIAS SA DE CV

Fecha / Date: 22/09/2016 13:30 PM  
 Fecha Impresión / Print Date: 22/09/2016 15:16 PM

Orden / Order: 44553

Certificado / Certificate: B44248



| #  | SERIE         | PRODUCTO                 | COLADA        | GRADO       | LE    | UT    | PE  | LEIUT   | C   | Mn  | Si  | P   | S   | Cu  | Cr  | Ni  | Mo  | Sn  | V   | Nb  | Al  | CEQ |
|----|---------------|--------------------------|---------------|-------------|-------|-------|-----|---------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| #  | SERIAL        | PRODUCT                  | HEAT          | GRADE       | -YS   | -TS   | %EL | (YS/TS) |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 1  | 2201609063099 | ANG 20R 2.5x2.5x1/4      | 00000161594RB | A529-50     | 60800 | 85400 | 28  | 0.71    | 245 | 924 | 203 | 018 | 033 | 265 | 167 | 068 | 022 | 015 | 002 | 003 | 002 | 495 |
| 2  | 2201609063095 | ANG 20R 2.5x2.5x1/4      | 00000161594RB | A529-50     | 60800 | 85400 | 28  | 0.71    | 245 | 924 | 203 | 018 | 033 | 265 | 167 | 068 | 022 | 015 | 002 | 003 | 002 | 495 |
| 3  | 2201609063088 | ANG 20R 2.5x2.5x1/4      | 000000161699  | A36/A529-50 | 55200 | 79100 | 30  | 0.7     | 22  | 854 | 232 | 016 | 016 | 324 | 135 | 152 | 027 | 012 | 001 | 002 | 003 | 465 |
| 4  | 2201609063087 | ANG 20R 2.5x2.5x1/4      | 000000161699  | A36/A529-50 | 55200 | 79100 | 30  | 0.7     | 22  | 854 | 232 | 016 | 016 | 324 | 135 | 152 | 027 | 012 | 001 | 002 | 003 | 465 |
| 5  | 2201609063086 | ANG 20R 2.5x2.5x1/4      | 000000161699  | A36/A529-50 | 55200 | 79100 | 30  | 0.7     | 22  | 854 | 232 | 016 | 016 | 324 | 135 | 152 | 027 | 012 | 001 | 002 | 003 | 465 |
| 6  | 1201609163036 | ANG 20R 1-1/4x1-1/4x3/16 | 000000162286  | A36/A529-50 | 54500 | 74700 | 31  | 0.73    | 184 | 874 | 182 | 018 | 038 | 309 | 181 | 105 | 029 | 015 | 001 | 002 | 002 | 43  |
| 7  | 1201609163097 | ANG 20R 1-1/4x1-1/4x3/16 | 000000162286  | A36/A529-50 | 54500 | 74700 | 31  | 0.73    | 184 | 874 | 182 | 018 | 038 | 309 | 181 | 105 | 029 | 015 | 001 | 002 | 002 | 43  |
| 8  | 1201609163010 | ANG 20R 1-1/4x1-1/4x3/16 | 000000162286  | A36/A529-50 | 54500 | 74700 | 31  | 0.73    | 184 | 874 | 182 | 018 | 038 | 309 | 181 | 105 | 029 | 015 | 001 | 002 | 002 | 43  |
| 9  | 1201609163011 | ANG 20R 1-1/4x1-1/4x3/16 | 000000162286  | A36/A529-50 | 54500 | 74700 | 31  | 0.73    | 184 | 874 | 182 | 018 | 038 | 309 | 181 | 105 | 029 | 015 | 001 | 002 | 002 | 43  |
| 10 | 1201609163012 | ANG 20R 1-1/4x1-1/4x3/16 | 000000162286  | A36/A529-50 | 54500 | 74700 | 31  | 0.73    | 184 | 874 | 182 | 018 | 038 | 309 | 181 | 105 | 029 | 015 | 001 | 002 | 002 | 43  |
| 11 | 1201609163013 | ANG 20R 1-1/4x1-1/4x3/16 | 000000162286  | A36/A529-50 | 54500 | 74700 | 31  | 0.73    | 184 | 874 | 182 | 018 | 038 | 309 | 181 | 105 | 029 | 015 | 001 | 002 | 002 | 43  |
| 12 | 1201609163051 | ANG 20R 1-1/4x1-1/4x3/16 | 000000162286  | A36/A529-50 | 54500 | 74700 | 31  | 0.73    | 184 | 874 | 182 | 018 | 038 | 309 | 181 | 105 | 029 | 015 | 001 | 002 | 002 | 43  |
| 13 | 1201609163005 | ANG 20R 1-1/4x1-1/4x3/16 | 000000162286  | A36/A529-50 | 54500 | 74700 | 31  | 0.73    | 184 | 874 | 182 | 018 | 038 | 309 | 181 | 105 | 029 | 015 | 001 | 002 | 002 | 43  |
| 14 | 1201609203017 | ANG 2x2x1/8 20R          | 000000162283  | A36/A529-50 | 52400 | 74200 | 32  | 0.71    | 172 | 867 | 181 | 022 | 037 | 378 | 148 | 113 | 037 | 016 | 001 | 003 | 002 | 415 |
| 15 | 1201609203015 | ANG 2x2x1/8 20R          | 000000162283  | A36/A529-50 | 55700 | 75800 | 33  | 0.73    | 176 | 963 | 194 | 022 | 032 | 3   | 165 | 145 | 033 | 013 | 001 | 002 | 002 | 422 |
| 16 | 1201609203007 | ANG 2x2x1/8 20R          | 000000162282  | A36/A529-50 | 53400 | 71700 | 31  | 0.74    | 173 | 891 | 195 | 023 | 034 | 322 | 168 | 113 | 031 | 013 | 001 | 002 | 002 | 423 |
| 17 | 1201609203008 | ANG 2x2x1/8 20R          | 000000162282  | A36/A529-50 | 53400 | 71700 | 31  | 0.74    | 173 | 891 | 195 | 023 | 034 | 322 | 168 | 113 | 031 | 013 | 001 | 002 | 002 | 423 |
| 18 | 1201609211008 | ANG 2x2x1/8 20R          | 000000162303  | A36/A529-50 | 87500 | 79600 | 31  | 1.1     | 177 | 879 | 177 | 021 | 033 | 367 | 181 | 106 | 029 | 018 | 001 | 003 | 002 | 427 |

\*Las unidades expresadas en L.E. y U.T son en PSI. La composición química esta expresada en % en peso.  
 \*The units expressed in L.E and U.T are in PSI. The chemical composition is expressed in % in weight.

Certificamos que el producto aquí descrito, cumple y ha sido fabricado, muestreado, probado e inspeccionado de acuerdo con los requisitos aplicables de la especificación: ASTM A6/A6 M-13 a (2014); A36; A529 / A529M; ASME SA-6/SA-6M; ASTM A370 - 12a (2014), ASME SA36

We certify that the product above mentioned accomplishes and has been manufactured, sampled, tested and inspected in accordance with applicable requirements of specifications: ASTM A6/A6 M-13 a (2014); A36; A529 / A529M; ASME SA-6/SA-6M; ASTM A370 - 12a (2014); ASME SA36.

Gerente de Aseguramiento de Calidad

En SIGOSA, SA DE CV nos comprometemos a satisfacer las expectativas y requerimientos de nuestros clientes. Mediante un sistema de Gestión de Calidad, la mejora continua de nuestros productos, el uso eficiente de los recursos, y la participación individual y de equipo de todo su personal.