



|           |                                      |               |            |        |   |   |
|-----------|--------------------------------------|---------------|------------|--------|---|---|
| CLIENTE   | PLESA ANAHUAC Y CIAS, S.A. DE C.V.   | FECHA EMISION | 18.04.2012 | PAGINA | 1 | NOSOTROS CERTIFICAMOS QUE LOS ANALISIS Y/O PRUEBAS MOSTRADAS EN ESTE REPORTE SON CORRECTOS Y ESTAN CONTENIDOS EN LOS REGISTROS DE LA COMPANIA.<br><br><b>ING. RAMIRO CISNEROS MENCHACA</b><br>PRUEBAS MECANICAS Y CERTIFICACION |
| DIRECCION | AV. VALLE DE LAS ALAMEDAS No. 66-0 . |               |            |        |   |   |
| PRODUCTO  | Vigas                                |               |            |        |   |   |

| COMPOSICION QUIMICA |                    |       |       |       |       |       |       |       |       |       |       |       |       |       |  |
|---------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| COLADA              | ESPECIFICACION     | C     | MN    | P     | S     | SI    | CU    | CR    | NI    | MO    | ALT   | V     | NB/CB | TI    |  |
| 122686              | ASTM A-36/A-572-50 | 0.140 | 0.810 | 0.020 | 0.006 | 0.166 | 0.020 | 0.020 | 0.010 | 0.005 | 0.031 | 0.004 | 0.006 | 0.003 |  |
| 122695              | ASTM A-36/A-572-50 | 0.176 | 0.862 | 0.019 | 0.007 | 0.188 | 0.023 | 0.018 | 0.015 | 0.003 | 0.039 | 0.005 | 0.007 | 0.003 |  |
| 222912              | ASTM A-36/A-572-50 | 0.158 | 0.848 | 0.018 | 0.005 | 0.182 | 0.038 | 0.019 | 0.029 | 0.007 | 0.029 | 0.002 | 0.007 | 0.003 |  |

| PRUEBAS AL PRODUCTO |             |             |             |        |
|---------------------|-------------|-------------|-------------|--------|
| COLADA              | NO. PAQUETE | L. ELASTICO | R. TENSION  | %ELON. |
| 122686              | 261203310A  | 52.617(KSI) | 68.921(KSI) | 28(%)  |
| 122686              | 261203311A  | 55.516(KSI) | 69.868(KSI) | 25(%)  |
| 122686              | 261203415A  | 52.617(KSI) | 68.921(KSI) | 28(%)  |
| 122695              | 261203408A  | 53.867(KSI) | 67.077(KSI) | 27(%)  |
| 122695              | 261203409A  | 50.398(KSI) | 65.635(KSI) | 29(%)  |
| 222912              | 261203918A  | 60.185(KSI) | 74.605(KSI) | 25(%)  |
| 222912              | 261203919A  | 62.330(KSI) | 74.055(KSI) | 24(%)  |

| PRODUCTO EMBARCADO |             |           |                |              |           |              |              |            |
|--------------------|-------------|-----------|----------------|--------------|-----------|--------------|--------------|------------|
| COLADA             | NO. PAQUETE | NO. PZAS. | PERALTE (Plg.) | PATIN (Plg.) | LARGO (m) | PESO (Kg/mt) | PED. CLIENTE | PEDIDO     |
| 122686             | 261203415A  | 12        | 12.0000        | 8.0000       | 12.2000   | 74.400       | 12509        | 0000511625 |
| 122695             | 261203415A  | 12        | 12.0000        | 8.0000       | 12.2000   | 74.400       | 12509        | 0000511625 |
| 222912             | 261203920A  | 45        | 8.0000         | 4.0000       | 12.2000   | 19.344       | 12509        | 0000511625 |
| 222912             | 261203922A  | 45        | 8.0000         | 4.0000       | 12.2000   | 19.344       | 12509        | 0000511625 |
| 222912             | 261203923A  | 45        | 8.0000         | 4.0000       | 12.2000   | 19.344       | 12509        | 0000511625 |
| 222912             | 261203928A  | 45        | 8.0000         | 4.0000       | 12.2000   | 19.344       | 12509        | 0000511625 |
| COLADA             | NO. PAQUETE | PARTIDA   | ENTREGA        |              |           |              |              |            |
| 122686             | 261203415A  | 000040    | 1001607053     |              |           |              |              |            |
| 122695             | 261203415A  | 000040    | 1001607053     |              |           |              |              |            |
| 222912             | 261203920A  | 000070    | 1001607053     |              |           |              |              |            |
| 222912             | 261203922A  | 000070    | 1001607053     |              |           |              |              |            |
| 222912             | 261203923A  | 000070    | 1001607053     |              |           |              |              |            |
| 222912             | 261203928A  | 000070    | 1001607053     |              |           |              |              |            |

FIN DE DATOS

EMITIO : S0558151