



|           |                                      |               |            |        |   |   |
|-----------|--------------------------------------|---------------|------------|--------|---|---|
| CLIENTE   | PLESA ANAHUAC Y CIAS, S.A. DE C.V.   | FECHA EMISION | 17.10.2015 | 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><br>PRUEBAS MECANICAS Y CERTIFICACION |
| DIRECCION | AV. VALLE DE LAS ALAMEDAS No. 66-0 . |               |            |        |   |   |
| PRODUCTO  | Vigas                                |               |            |        |   |   |

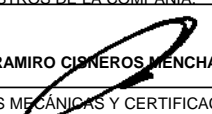
| COMPOSICION QUIMICA |                    |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| COLADA              | ESPECIFICACION     | C     | MN    | P     | S     | SI    | CU    | CR    | NI    | MO    | ALT   | V     | NB/CB | TI    |
| 157761              | ASTM A-36/A-572-50 | 0.164 | 0.834 | 0.023 | 0.005 | 0.170 | 0.021 | 0.021 | 0.018 | 0.004 | 0.035 | 0.003 | 0.007 | 0.003 |
| 255427              | ASTM A-36/A-572-50 | 0.159 | 0.859 | 0.023 | 0.007 | 0.181 | 0.037 | 0.044 | 0.047 | 0.012 | 0.038 | 0.003 | 0.006 | 0.003 |
| 256847              | ASTM A-36/A-572-50 | 0.160 | 0.832 | 0.018 | 0.004 | 0.176 | 0.024 | 0.024 | 0.021 | 0.005 | 0.038 | 0.004 | 0.007 | 0.003 |
| 256848              | ASTM A-36/A-572-50 | 0.162 | 0.843 | 0.011 | 0.004 | 0.174 | 0.022 | 0.023 | 0.028 | 0.008 | 0.036 | 0.002 | 0.007 | 0.003 |
| 257785              | ASTM A-36/A-572-50 | 0.159 | 0.836 | 0.018 | 0.005 | 0.175 | 0.020 | 0.023 | 0.018 | 0.005 | 0.037 | 0.003 | 0.007 | 0.002 |

| PRUEBAS AL PRODUCTO |             |              |              |        |   |
|---------------------|-------------|--------------|--------------|--------|---|
| COLADA              | NO. PAQUETE | L. ELASTICO  | R. TENSION   | %ELON. |   |
| 157761              | 261516913A  | 64.235 (KSI) | 78.305 (KSI) | 27 (%) |   |
| 157761              | 261516914A  | 63.398 (KSI) | 78.315 (KSI) | 25 (%) |   |
| 157761              | 261516959A  | 61.831 (KSI) | 77.961 (KSI) | 25 (%) |   |
| 255427              | 261511011A  | 64.450 (KSI) | 79.874 (KSI) | 24 (%) | 8 |
| 255427              | 261511012A  | 64.652 (KSI) | 79.993 (KSI) | 22 (%) | 8 |
| 255427              | 261511083A  | 64.450 (KSI) | 79.874 (KSI) | 24 (%) | 8 |
| 256847              | 261514928A  | 63.123 (KSI) | 77.816 (KSI) | 24 (%) |   |
| 256847              | 261514929A  | 63.132 (KSI) | 77.955 (KSI) | 23 (%) |   |
| 256847              | 261517284A  | 63.123 (KSI) | 77.816 (KSI) | 24 (%) |   |
| 256847              | 261517716A  | 64.450 (KSI) | 76.484 (KSI) | 22 (%) |   |
| 256848              | 261514919A  | 63.567 (KSI) | 77.481 (KSI) | 23 (%) |   |
| 256848              | 261514920A  | 63.088 (KSI) | 78.174 (KSI) | 21 (%) |   |
| 256848              | 261514963A  | 63.088 (KSI) | 78.174 (KSI) | 21 (%) |   |
| 257785              | 261516946A  | 59.618 (KSI) | 75.170 (KSI) | 26 (%) |   |
| 257785              | 261516947A  | 58.826 (KSI) | 74.870 (KSI) | 24 (%) |   |
| 257785              | 261517003A  | 59.618 (KSI) | 75.170 (KSI) | 26 (%) |   |

| PRODUCTO EMBARCADO |             |           |                |              |           |              |              |            |
|--------------------|-------------|-----------|----------------|--------------|-----------|--------------|--------------|------------|
| COLADA             | NO. PAQUETE | NO. PZAS. | PERALTE (Plg.) | PATIN (Plg.) | LARGO (m) | PESO (Kg/mt) | PED. CLIENTE | PEDIDO     |
| 157761             | 261516956A  | 21        | 12.0000        | 6.5000       | 12.2000   | 44.640       | 22278        | 9999018961 |
| 255427             | 261511085A  | 20        | 16.0000        | 5.5000       | 12.2000   | 46.128       | 22278        | 9999018961 |
| 256847             | 261514934A  | 24        | 14.0000        | 5.0000       | 12.2000   | 38.688       | 22278        | 9999018961 |
| 256848             | 261514926A  | 24        | 14.0000        | 5.0000       | 12.2000   | 38.688       | 22278        | 9999018961 |
| 257785             | 261516956A  | 21        | 12.0000        | 6.5000       | 12.2000   | 44.640       | 22278        | 9999018961 |
| COLADA             | NO. PAQUETE | PARTIDA   | ENTREGA        |              |           |              |              |            |
| 157761             | 261516956A  | 000010    | 1002189443     |              |           |              |              |            |

EL COMPROMISO DE AHMSA ES SOLO CON EL CLIENTE INDICADO EN ESTE CERTIFICADO, Y SOLO ACEPTAMOS EL DOCUMENTO ORIGINAL. EMITIO : S118534



|           |                                      |               |            |        |   |   |
|-----------|--------------------------------------|---------------|------------|--------|---|---|
| CLIENTE   | PLESA ANAHUAC Y CIAS, S.A. DE C.V.   | FECHA EMISION | 17.10.2015 | PAGINA | 2 | 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><br>ING. RAMIRO CISNEROS MENCHACA<br>PRUEBAS MECANICAS Y CERTIFICACION |
| DIRECCION | AV. VALLE DE LAS ALAMEDAS No. 66-0 . |               |            |        |   |   |
| PRODUCTO  | Vigas                                |               |            |        |   |   |

| +-----+-----+-----+-----+ PRODUCTO EMBARCADO +-----+-----+-----+-----+ |             |         |            |
|--|-------------|---------|------------|
| COLADA   | NO. PAQUETE | PARTIDA | ENTREGA    |
| 255427   | 261511085A  | 000030  | 1002189443 |
| 256847   | 261514934A  | 000020  | 1002189443 |
| 256848   | 261514926A  | 000020  | 1002189443 |
| 257785   | 261516956A  | 000010  | 1002189443 |
| +-----+-----+-----+-----+ FIN DE DATOS +-----+-----+-----+-----+       |             |         |            |