



|           |                                      |               |            |        |   |   |
|-----------|--------------------------------------|---------------|------------|--------|---|---|
| CLIENTE   | PLESA ANAHUAC Y CIAS, S.A. DE C.V.   | FECHA EMISION | 06.07.2013 | 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  | Lam.rol.frio temp.tenson rollo       |               |            |        |   |   |

| COMPOSICION QUIMICA |                |       |       |       |       |       |       |       |       |       |       |        |       |       |       |  |
|---------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|--|
| COLADA              | ESPECIFICACION | C     | Mn    | P     | S     | Si    | Cu    | Cr    | Ni    | Mo    | V     | Nb(Cb) | Ti    | Sn    | Als   |  |
| 134792              | SAE J403 1008  | 0.054 | 0.176 | 0.017 | 0.012 | 0.011 | 0.029 | 0.019 | 0.020 | 0.006 | 0.001 | 0.002  | 0.001 | 0.004 | 0.043 |  |
| 432229              | SAE J403 1008  | 0.060 | 0.238 | 0.016 | 0.015 | 0.004 | 0.048 | 0.016 | 0.021 | 0.003 | 0.001 | 0.001  |       | 0.002 | 0.046 |  |
| 432230              | SAE J403 1008  | 0.050 | 0.150 | 0.016 | 0.014 |       | 0.030 | 0.020 | 0.020 | 0.002 | 0.001 | 0.001  | 0.001 | 0.001 | 0.020 |  |
| COLADA              | N2             |       |       |       |       |       |       |       |       |       |       |        |       |       |       |  |
| 134792              | 0.0052         |       |       |       |       |       |       |       |       |       |       |        |       |       |       |  |
| 432229              | 0.0050         |       |       |       |       |       |       |       |       |       |       |        |       |       |       |  |
| 432230              | 0.0055         |       |       |       |       |       |       |       |       |       |       |        |       |       |       |  |

  

| PRUEBAS AL PRODUCTO |          |               |        |
|---------------------|----------|---------------|--------|
| COLADA              | NO.ROLLO | ESPEJOR(Plg.) | DUREZA |
| 134792              | 5191071B | 0.0299        | 48(RB) |
| 432229              | 5118001A | 0.0359        | 50(RB) |
| 432229              | 5118001B | 0.0359        | 50(RB) |
| 432230              | 5155144A | 0.0239        | 50(RB) |
| 432230              | 5155144B | 0.0239        | 50(RB) |

  

| PRODUCTO EMBARCADO |          |               |             |            |         |            |              |
|--------------------|----------|---------------|-------------|------------|---------|------------|--------------|
| COLADA             | NO.ROLLO | ESPEJOR(Plg.) | ANCHO(Plg.) | PEDIDO     | PARTIDA | ENIREGA    | PED. CLIENTE |
| 134792             | 5191071B | 0.0299        | 48.0000     | 0000141519 | 000090  | 1001794799 | 15509        |
| 432229             | 5118001A | 0.0359        | 36.0000     | 0000141519 | 000070  | 1001794799 | 15509        |
| 432229             | 5118001B | 0.0359        | 36.0000     | 0000141519 | 000070  | 1001794799 | 15509        |
| 432230             | 5155144A | 0.0239        | 36.0000     | 0000141519 | 000110  | 1001794799 | 15509        |
| 432230             | 5155144B | 0.0239        | 36.0000     | 0000141519 | 000110  | 1001794799 | 15509        |

  

| COLADA | NO.ROLLO | NORMA |
|--------|----------|-------|
| 134792 | 5191071B | AH/5% |
| 432229 | 5118001A | AH/5% |
| 432229 | 5118001B | AH/5% |
| 432230 | 5155144A | AH/5% |
| 432230 | 5155144B | AH/5% |