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|-----------|--------------------------------------|---------------|------------|--------|---|---|
| CLIENTE   | PLESA ANAHUAC Y CIAS, S.A. DE C.V.   | FECHA EMISION | 17.03.2013 | 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   |  |
| 430019              | SAE J403 1008  | 0.071         | 0.201       | 0.011      | 0.012   | 0.008      | 0.021        | 0.020 | 0.023 | 0.004 | 0.001 | 0.001  | 0.001 | 0.001 | 0.042 |  |
| 430975              | SAE J403 1008  | 0.073         | 0.209       | 0.015      | 0.014   | 0.017      | 0.022        | 0.018 | 0.017 | 0.006 | 0.002 | 0.001  | 0.002 | 0.002 | 0.059 |  |
| COLADA              | N2             |               |             |            |         |            |              |       |       |       |       |        |       |       |       |  |
| 430019              | 0.0051         |               |             |            |         |            |              |       |       |       |       |        |       |       |       |  |
| 430975              | 0.0057         |               |             |            |         |            |              |       |       |       |       |        |       |       |       |  |
| PRUEBAS AL PRODUCTO |                |               |             |            |         |            |              |       |       |       |       |        |       |       |       |  |
| COLADA              | NO.ROLLO       | ESPEJOR(Plg.) | DUREZA      |            |         |            |              |       |       |       |       |        |       |       |       |  |
| 430019              | 4874082A       | 0.0478        | 56(RB)      |            |         |            |              |       |       |       |       |        |       |       |       |  |
| 430019              | 4874082B       | 0.0478        | 56(RB)      |            |         |            |              |       |       |       |       |        |       |       |       |  |
| 430975              | 4872086A       | 0.0598        | 55(RB)      |            |         |            |              |       |       |       |       |        |       |       |       |  |
| 430975              | 4872086B       | 0.0598        | 55(RB)      |            |         |            |              |       |       |       |       |        |       |       |       |  |
| PRODUCTO EMBARCADO  |                |               |             |            |         |            |              |       |       |       |       |        |       |       |       |  |
| COLADA              | NO.ROLLO       | ESPEJOR(Plg.) | ANCHO(Plg.) | PEDIDO     | PARTIDA | ENTREGA    | PED. CLIENTE |       |       |       |       |        |       |       |       |  |
| 430019              | 4874082A       | 0.0478        | 48.0000     | 0000139077 | 000030  | 1001751112 | 14993        |       |       |       |       |        |       |       |       |  |
| 430019              | 4874082B       | 0.0478        | 48.0000     | 0000139077 | 000030  | 1001751112 | 14993        |       |       |       |       |        |       |       |       |  |
| 430975              | 4872086A       | 0.0598        | 48.0000     | 0000139077 | 000010  | 1001751112 | 14993        |       |       |       |       |        |       |       |       |  |
| 430975              | 4872086B       | 0.0598        | 48.0000     | 0000139077 | 000010  | 1001751112 | 14993        |       |       |       |       |        |       |       |       |  |
| COLADA              | NO.ROLLO       | NORMA         |             |            |         |            |              |       |       |       |       |        |       |       |       |  |
| 430019              | 4874082A       | AH/5%         |             |            |         |            |              |       |       |       |       |        |       |       |       |  |
| 430019              | 4874082B       | AH/5%         |             |            |         |            |              |       |       |       |       |        |       |       |       |  |
| 430975              | 4872086A       | AH/5%         |             |            |         |            |              |       |       |       |       |        |       |       |       |  |
| 430975              | 4872086B       | AH/5%         |             |            |         |            |              |       |       |       |       |        |       |       |       |  |
| FIN DE DATOS        |                |               |             |            |         |            |              |       |       |       |       |        |       |       |       |  |