



**PARA:** *PREFECTURA DEL GUAYAS*  
**PROYECTO:** *REHABILITACION DE LA VIA CONEXIÓN E30 - PEDRO VELEZ - CARLOS JULIO AROSEMENA*

**C#4 - MUESTRA # 3**

**DESCRIPCIÓN DE MUESTRA:** *Limo arenoso con grava café oscuro*  
**ESPECIFICACIONES:** *humedad natural: 30.11%*

**LÍMITES DE ATTERBERG**

*NORMA: ASTM D4318*

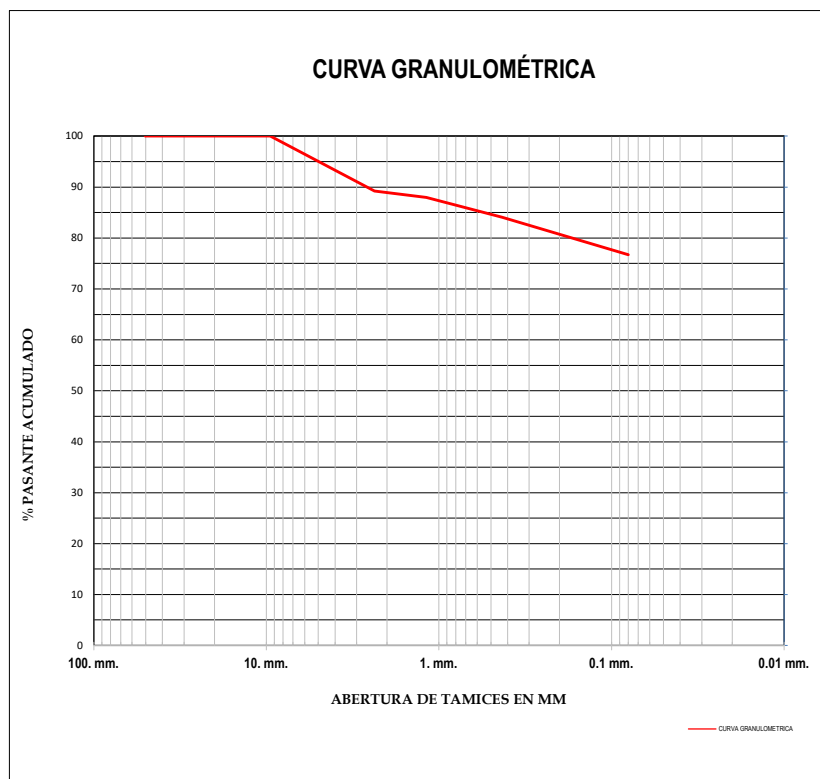
|                       |            |                         |            |
|-----------------------|------------|-------------------------|------------|
| <i>Límite Líquido</i> | <i>47%</i> | <i>ESPECIFICACIONES</i> | <i>---</i> |
| <i>Ind. Plástico</i>  | <i>17%</i> |                         | <i>---</i> |

**ENSAYO GRANULOMÉTRICO**

*NORMA : ASTM D422*

| <b>TAMIZ</b> | <b>PESO.</b> | <b>RETENIDO</b> | <b>PASANTE</b> | <b>ESPECIF.</b>         |
|--------------|--------------|-----------------|----------------|-------------------------|
| <b>#</b>     | <b>Grms</b>  | <b>%</b>        | <b>%</b>       | <b>AASHTO M-147 / B</b> |
| 4 "          |              |                 | 100.00         |                         |
| 3 "          |              | 0.00            | 100.00         |                         |
| 2 1/2 "      |              | 0.00            | 100.00         |                         |
| 2 "          |              | 0.00            | 100.00         |                         |
| 1 1/2 "      |              | 0.00            | 100.00         |                         |
| 1 "          |              | 0.00            | 100.00         |                         |
| 3/4 "        |              | 0.00            | 100.00         |                         |
| 1/2 "        |              | 0.00            | 100.00         |                         |
| 3/8 "        |              | 0.00            | 100.00         |                         |
| 1/4 "        |              | 0.00            | 100.00         |                         |
| No. 4        | 10.10        | 10.78           | 89.22          |                         |
| No. 8        |              | 0.00            | 89.22          |                         |
| No. 10       | 1.20         | 1.28            | 87.93          |                         |
| No. 16       |              | 0.00            | 87.93          |                         |
| No. 20       |              | 0.00            | 87.93          |                         |
| No. 30       |              | 0.00            | 87.93          |                         |
| No. 40       | 3.60         | 3.84            | 84.09          |                         |
| No. 50       |              | 0.00            | 84.09          |                         |
| No. 60       |              | 0.00            | 84.09          |                         |
| No. 80       |              | 0.00            | 84.09          |                         |
| No. 100      |              | 0.00            | 84.09          |                         |
| No. 200      | 6.90         | 7.37            | 76.72          |                         |
| Fondo        | 71.85        | 76.72           |                |                         |

|               |         |
|---------------|---------|
| <b>GRAVA</b>  | 10.78 % |
| <b>ARENA</b>  | 12.49 % |
| <b>S.FINO</b> | 76.72 % |



---

*Jose Antonio Cordova P.*  
*Gerente General*