



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

**C#34 - MUESTRA # 1**

**DESCRIPCIÓN DE MUESTRA:** *Grava areno-limosa café oscura*  
**ESPECIFICACIONES:** *humedad natural: 6,02%*

**LÍMITES DE ATTERBERG**

*NORMA: ASTM D4318*

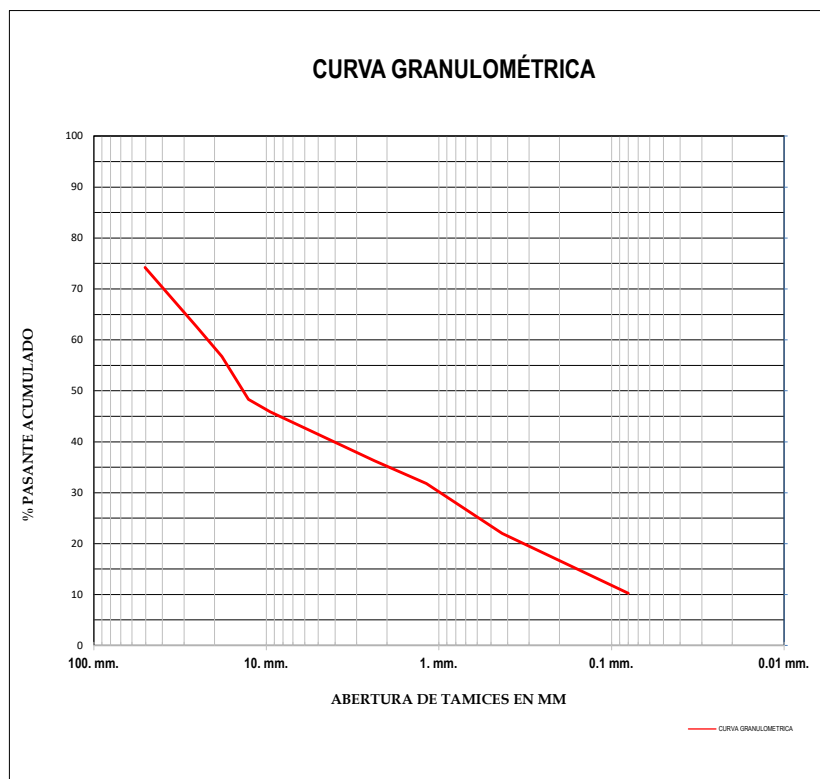
|                       |           |                         |     |
|-----------------------|-----------|-------------------------|-----|
| <i>Límite Líquido</i> | ---       | <i>ESPECIFICACIONES</i> | --- |
| <i>Ind. Plástico</i>  | <i>NP</i> |                         | --- |

**ENSAYO GRANULOMÉTRICO**

*NORMA : ASTM D422*

| <i>TAMIZ</i> | <i>PESO.</i> | <i>RETENIDO</i> | <i>PASANTE</i> | <i>ESPECIF.</i>         |
|--------------|--------------|-----------------|----------------|-------------------------|
| <i>#</i>     | <i>Grms</i>  | <i>%</i>        | <i>%</i>       | <i>AASHTO M-147 / B</i> |
| 4 "          |              |                 | 100.00         |                         |
| 3 "          |              | 0.00            | 100.00         |                         |
| 2 1/2 "      |              | 0.00            | 100.00         |                         |
| 2 "          | 450.30       | 25.78           | 74.22          |                         |
| 1 1/2 "      | 124.10       | 7.11            | 67.11          |                         |
| 1 "          | 79.90        | 4.57            | 62.54          |                         |
| 3/4 "        | 101.70       | 5.82            | 56.71          |                         |
| 1/2 "        | 146.60       | 8.39            | 48.32          |                         |
| 3/8 "        | 43.00        | 2.46            | 45.86          |                         |
| 1/4 "        |              | 0.00            | 45.86          |                         |
| No. 4        | 168.40       | 9.64            | 36.22          |                         |
| No. 8        |              | 0.00            | 36.22          |                         |
| No. 10       | 76.60        | 4.39            | 31.83          |                         |
| No. 16       |              | 0.00            | 31.83          |                         |
| No. 20       |              | 0.00            | 31.83          |                         |
| No. 30       |              | 0.00            | 31.83          |                         |
| No. 40       | 171.30       | 9.81            | 22.02          |                         |
| No. 50       |              | 0.00            | 22.02          |                         |
| No. 60       |              | 0.00            | 22.02          |                         |
| No. 80       |              | 0.00            | 22.02          |                         |
| No. 100      |              | 0.00            | 22.02          |                         |
| No. 200      | 205.20       | 11.75           | 10.27          |                         |
| Fondo        | 179.40       | 10.27           |                |                         |

|               |         |
|---------------|---------|
| <b>GRAVA</b>  | 63.78 % |
| <b>ARENA</b>  | 25.94 % |
| <b>S.FINO</b> | 10.27 % |




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*Jose Antonio Cordova P.*  
*Gerente General*