# SAND SIEVE ANALYSIS

<table>
<thead>
<tr>
<th>Sieve Size</th>
<th>A Cumulative ml Sand Retained</th>
<th>C Percent Retained $C = \frac{A}{B} \times 100$</th>
<th>Percent Passing Through Sieve $100% - C$</th>
<th>Sample Results:</th>
</tr>
</thead>
<tbody>
<tr>
<td>#24</td>
<td></td>
<td></td>
<td></td>
<td>Effective Size:</td>
</tr>
<tr>
<td>#40</td>
<td></td>
<td></td>
<td></td>
<td>$d_{10} =$ 0.15 to 0.20 mm</td>
</tr>
<tr>
<td>#60</td>
<td></td>
<td></td>
<td></td>
<td>Uniformity Coefficient:</td>
</tr>
<tr>
<td>#80</td>
<td></td>
<td></td>
<td></td>
<td>$d_{60} / d_{10} =$ 1.5 to 2.5</td>
</tr>
<tr>
<td>#150</td>
<td></td>
<td></td>
<td></td>
<td>Very Fine Sand Percent:</td>
</tr>
<tr>
<td></td>
<td>$B$</td>
<td></td>
<td></td>
<td>$%$ Passing #150 $=$ Less than 4%</td>
</tr>
</tbody>
</table>

**Catch Pan** $= B$

**Graph: Sand Grain Size in mm**

- **Sieve Sizes**: 
  - #24: 0.71 mm
  - #40: 0.38 mm
  - #60: 0.25 mm
  - #80: 0.18 mm
  - #150: 0.10 mm

- **Percent Sand Passing Through Sieve**
  - 100%
  - 90%
  - 80%
  - 70%
  - 60%
  - 50%
  - 40%
  - 30%
  - 20%
  - 10%

- **Sand Grain Size in mm**:
  - $d_{60} =$ ____
  - $d_{10} =$ ____