1,4-Butanediol

**Chemical Name** 1,4-Butanediol  
**CAS #** 110-63-4  
**EINECS** 203-786-5  
**Formula** C4H10O2  
**Molecular Weight** 90.12  
**Synonyms** BDO;1,4-BUTYLENE GLYCOL;1,4-BUTANEDIOL  

**Chemical Structure**  
\[ \text{HO} - \text{C} - \text{C} \text{HO} \]  

**Appearance** Colorless oily transparent liquid  

**Physical Properties**  
Colorless oily liquid. Can miscibility with water. Soluble in methanol, ethanol, acetone, slightly soluble in ether.  

**Specification**  

<table>
<thead>
<tr>
<th>Items</th>
<th>Specification</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Colorless oily transparent liquid</td>
<td>Complies</td>
</tr>
<tr>
<td>Assay, %</td>
<td>$\geq 99.50$</td>
<td>99.70</td>
</tr>
<tr>
<td>Water, %</td>
<td>$\leq 0.10$</td>
<td>0.019</td>
</tr>
<tr>
<td>Chroma, APHA</td>
<td>$\leq 10$</td>
<td>6</td>
</tr>
<tr>
<td>Hydroxyl content, mg KOH/g</td>
<td>$\leq 0.1$</td>
<td>0.02</td>
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</tbody>
</table>
Applications

Used as a solvent and humidifying agent, but also for making plasticizer, drugs, polyester resin, polyurethane resin, etc.

Packing

200kg/iron drum
16tons/1*20”FCL

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