Gold Nano Dispersion is applied in dentistry due to its superior performance and aesthetic appeal. Gold nanodispersion is utilized for fillings, crowns, bridges, and orthodontic appliances. Gold dispersion is used in dentistry owing to it is chemically inert, non-allergenic, and easy for the dentist to work. Gold is applied as a drug to treat a small number of medical conditions. In diagnosis, radioactive gold is employed. Many surgical instruments, electronic equipment, and life-support devices are fabricated using small amounts of gold.

Quick Facts

<table>
<thead>
<tr>
<th>Property</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Purity</td>
<td>99.99 %</td>
</tr>
<tr>
<td>APS</td>
<td>Customer requirement</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>196.97g/mol</td>
</tr>
<tr>
<td>Concentration</td>
<td>Customer requirement</td>
</tr>
<tr>
<td>Dispersing Agent</td>
<td>Organic Solvent (DMF), IPA, Ethanol, Water (ddH2O)</td>
</tr>
</tbody>
</table>

Properties

- Conductor of heat and electricity
- Electronic properties
- Chemical properties
- High surface area
- Highly active catalysts

Applications

- Sensors
- Photo-catalysts
- Drug delivery
- Biomedical use
- Electrical industry