**USP* Nitrous Oxide**

<table>
<thead>
<tr>
<th>PURITY SPECIFICATION CYLINDER, U.S.P. NITROUS OXIDE (MEDICAL GAS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMICAL SYMBOL:</td>
</tr>
<tr>
<td>Physical State In Container:</td>
</tr>
<tr>
<td>Guaranteed Minimum Purity:</td>
</tr>
<tr>
<td>N₂O</td>
</tr>
<tr>
<td>Liquified Gas</td>
</tr>
<tr>
<td>99.0%</td>
</tr>
</tbody>
</table>

**IMPURITIES AS PER OFFICIAL MONOGRAPH:**

- Carbon Monoxide: 0.001%
- Nitric Oxide: 1.0 ppm
- Nitrogen Dioxide: 1.0 ppm
- Halogen's: 1.0 ppm
- Carbon Dioxide: 0.03%
- Ammonia: 0.0025%
- Water: 150 mg / cubic meter (200 ppm)
- Air: 1.0%

**CONTAINER IDENTIFICATION:**

- Cylinder Color Code: Blue
- UN Number: UN 1070
- DOT Name: USP Nitrous Oxide, Compressed
- Hazard Class / Division: 2.2
- DOT Label: Non-Flammable Gas
- CAS Number: 10024-97-2

**CONTAINER CAPACITIES:**

- Cylinders having capacities up to 50 pounds

**STANDARD VALVE OUTLET CONNECTION:**

- CGA 326

---

* The United States Pharmacopoeia (USP) is a listing (compendium) of drugs licensed for use in the United States with the analytical standards necessary to establish purity suitable for human use applied to each of the listed drugs. Drugs sold for human consumption in the US must meet or exceed the purity standards listed in the USP. Drugs meeting these requirements must include a designation on their label that demonstrates compliance with standards listed within the USP; typically, this is shown as the initials USP immediately following the name of the drug. Many nations have their own Pharmacopoeia to list and specify requirements for drugs legally sold within their borders.