

**Technical Data Sheet**

**H2O2 50**

Hydrogen Peroxide

Hydrogen peroxide is a strong oxidizing agent used in aqueous solution as a ripening agent, bleach, and topical anti-infective. It is relatively unstable and solutions deteriorate over time unless stabilized by the addition of acetanilide or similar organic materials. It is a weak acid. Hydrogen peroxide is unstable, decomposing readily to oxygen and water with release of heat.

**Applications:**

It is a common oxidant that is used as a bleach in the textile, paper, cellulose, metallurgy and mineral, chemical and dye, food, pharmaceutical, cosmetic, and electronics industries.

| Properties             | Standard   | Value      | Units | Test Method |
|------------------------|------------|------------|-------|-------------|
| Concentration H2O2     | 50-51 min  | 50-51 min  | Wt%   | INSO 3239   |
| Stability              | Max 97     | Max 97     | Wt%   | INSO 3239   |
| Residue on Evaporation | Max 0.05   | Max 0.05   | Wt%   | INSO 3239   |
| Acidity (H2so4)        | Max 0.05   | Max 0.05   | Wt%   | INSO 3239   |
| Fe                     | Max 0.0001 | Max 0.0001 | Wt%   | INSO 3239   |