

# HYDROGEN PEROXIDE

## (H<sub>2</sub>O<sub>2</sub>) Technical Grade



At Purvi Chemicals, we bring the premium quality products manufactured by the state-of-the-art technologies. Hydrogen Peroxide is manufactured by "Auto Oxidation" process technology of UHDE, Germany and Chematur Engineering AB, Sweden.

### ADVANTAGES

Use of Hydrogen Peroxide provides a "Clean Process" and enables to maintain pollution free environment as it decomposes to water and Oxygen. The rate of decomposition is as low as 1.0% per year at normal room temperature.

QCD is equipped with most modern instruments to analyze special test on request.

### PRODUCTION CAPACITY

38 Tonnes/day at Vadodara Complex (on 100% basis)  
80 Tonnes/day at Dahej Complex (on 100% basis)

### EXCLUSIVE FEATURES

Colourless, slightly viscous, water like liquid  
Miscible with water  
Mainly produces "ACTIVE OXYGEN" in all - concerned processes.

### PACKING

For 35% & 50% Conc. :

- 30 kgs / 50 kgs HM-HDPE Carbuoys
- 250 kgs HM-HDPE Barrels
- Dedicated SS Tankers

For 60% Conc. :

- In dedicated SS Tankers &
- 30/ 50 kgs HM-HDPE Carbuoys

### APPLICATIONS

- As a Bleaching agent for Pulp, Paper, Textiles, Sugar, Coir & Tobacco Industries
- Antiseptic agent in Pharmaceuticals
- Sterilizing agent in Aseptic packing
- As raw material for Organic and Inorganic chemicals, Dyestuffs and Pesticide
- Effluent treatment
- Propellant for Rockets & Aircrafts
- Oxidizing agent for Silver ornaments
- Neutralizing agent in wine distillation
- Chemical reagent for extraction of different metals : Cobalt, Uranium, Tungsten, etc.
- As an etching & cleaning agent in Electronic industry and Process equipments

### SPECIFICATIONS

Sr.	Characteristic	Grade	35% H2O2 w/w	50% H2O2 w/w	60% H2O2 w/w
1	Stability	ml. of O <sub>2</sub> /25 ml at 100oC for 30 min.	0.30 max	0.30 max	0.30 max
2	Acidity (as H <sub>2</sub> SO <sub>4</sub> )	g/100 ml	0.03 max	0.03 max	0.07 max
3	Iron (as Fe)	ppm	1.00 max	1.00 max	1.00 max
4	Copper (as Cu)	ppm	0.10 max	0.10 max	0.10 max
5	Arsenic (as As)	ppm	2.00 max	2.00 max	2.00 max
6	Lead (as Pb)	ppm	10.00 max	10.00 max	10.00 max

For 2 to 6 : COA (Certificate of Analysis) as & when required by Customer