

Novichem Co.

Your Chemical Partner

P.O. Box: 15886-13941, Tehran - IRAN
 Phone : +98-21-88329799 E-mail : info@novichem.co
 Fax : +98-21-88329799 Web : www.novichem.co

HYDROGEN PEROXIDE (H₂O₂)

DESCRIPTION

Hydrogen peroxide is formulated with an inorganic tin-based stabilizer system for high stability and long-term storage. The 70% concentration can be diluted to 35% or 50% concentration with most ordinary tap water found. This permits a customer to achieve maximum economy by purchasing hydrogen peroxide at 70% concentration and diluting it to 35% or 50% for storage.

TECHNICAL SPECIFICATIONS

	35%	50%	70%
Loss in % assay, 1 yr, 25°C	<0.7	<1.0	<1.4
Apparent pH	<3.7	<3.0	0-1.0
Sn, ppm	25-35	36-50	50-70
Active oxygen content, %	16.5	23.5	32.9
Specific gravity (20°C/4°C)	1.13	1.20	1.29
Lbs/gal (kg/M ³ or g/L) @ 20°C	9.4 (1126)	10.0 (1198)	10.8 (1294)
Boiling point, °C (°F)	108 (226)	114 (237)	126 (259)
Freezing point, °C (°F)	-33 (-27)	-52 (-62)	-40 (-40)
Packing: 35 Kg PE Drums			

APPLICATIONS

Among the oxidizing bleaching agents, only hydrogen peroxide provides a high bleaching effect at reasonable costs, especially if modern short term bleaching processes are used with only a few minutes bleaching time.

- Peroxide bleaching keeps the fibre quality.
 - Cotton can be bleached with peroxide in a single stage. Other processes require two or three bleaching stages.
 - Hot, alkaline, bleaching has not only a bleaching, but also a cleaning effect, it therefore combines the advantages of alkaline traction with the bleaching treatment.
 - Animal fibres can only be bleached with peroxide to a high and stable degree of whiteness.
- corrosion of stainless steel equipment does not occur during peroxide bleaching.

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purpose. Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is assumed.