



## TECHNICAL DATA SHEET

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## HYDROGEN PEROXIDE

## ➤ Hydrogen Peroxide 30%,35%, 50%, 60%, 70%

H2O2 Content % by weight	30%	35%	50%	60%	70%
Loss in % assay,1yr,25°C	<0.7	<0.7	<1.0	<1.2	<1.4
Apparent pH	1,2-3.0	1,2-3.0	0.3-1.7	0.2-1.2	-0.7-0.7
Appearance	Clear,colorless ,liquid	Clear,colorless ,liquid	Clear,colorless ,liquid	Clear,colorless ,liquid	Clear,colorless ,liquid
Stability,24hrs @100°C	>=96.0%	>=96.0%	>=96.0%	>=96.0%	>=96.0%
Specific gravity(20°C)	1.11	1.13	1.2	1.24	1.3
Boiling point, °C	106	108	114	122	126
Freezing point,°C	-26	-33	-52	-54.5	-40

## Safety and Handling Safety

Wear appropriate safety equipment at all times :

- PVC apron
- Face shield / goggles
- Safety shoes / gum boots
- PVC gloves

## Handling

- All personnel must be familiar with the fire fighting equipment , safety showers and first - aid cabinets
- All personnel must pay strict attention to and comply with all warning and safety signs
- Empty drums should be rinsed with water before discarding
- Handling systems should be of compatible materials like glass , stainless steel , aluminum or plastic and should exclude iron , brass , copper , monel metal or red lead sealing compounds

## Storage

H2O2 should be stored in chemically, compatible storage containers @ 25°C in a well ventilated place , protected from light . H2O2 should not be stored in an unvented container

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