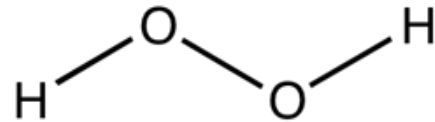


**Hydrogen peroxide, solution 30% w/w (110 vol), Ultratrace<sup>®</sup>, ppt-trace analysis grade**
**Identification**

H<sub>2</sub>O<sub>2</sub>  
M = 34,01 g/mol  
CAS [7722-84-1]  
EC number: 231-765-0  
Taric code: 2847 00 00


**Synonyms**

Hydrogen dioxide, Hydroperoxide

**Specifications**

assay (permanganometric).....	30,0 - 32,0 %	mercury (Hg).....	max. 50 ppt
aluminium (Al).....	max. 50 ppt	molybdenum (Mo).....	max. 10 ppt
antimony (Sb).....	max. 10 ppt	neodymium (Nd).....	max. 1 ppt
arsenic (As).....	max. 100 ppt	nickel (Ni).....	max. 20 ppt
barium (Ba).....	max. 10 ppt	niobium (Nb).....	max. 10 ppt
beryllium (Be).....	max. 10 ppt	palladium (Pd).....	max. 10 ppt
bismuth (Bi).....	max. 10 ppt	potassium (K).....	max. 20 ppt
boron (B).....	max. 100 ppt	praseodymium (Pr).....	max. 1 ppt
cadmium (Cd).....	max. 10 ppt	rhenium (Re).....	max. 10 ppt
calcium (Ca).....	max. 100 ppt	rhodium (Rh).....	max. 10 ppt
cerium (Ce).....	max. 1 ppt	rubidium (Rb).....	max. 10 ppt
cesium (Cs).....	max. 1 ppt	ruthenium (Ru).....	max. 10 ppt
chromium (Cr).....	max. 10 ppt	samarium (Sm).....	max. 1 ppt
cobalt (Co).....	max. 10 ppt	scandium (Sc).....	max. 10 ppt
copper (Cu).....	max. 10 ppt	selenium (Se).....	max. 100 ppt
dysprosium (Dy).....	max. 1 ppt	silver (Ag).....	max. 10 ppt
erbium (Er).....	max. 1 ppt	sodium (Na).....	max. 50 ppt
europium (Eu).....	max. 1 ppt	strontium (Sr).....	max. 10 ppt
gadolinium (Gd).....	max. 1 ppt	tantalum (Ta).....	max. 10 ppt
gallium (Ga).....	max. 10 ppt	tellurium (Te).....	max. 1 ppt
germanium (Ge).....	max. 10 ppt	terbium (Tb).....	max. 1 ppt
gold (Au).....	max. 10 ppt	thallium (Tl).....	max. 1 ppt
hafnium (Hf).....	max. 1 ppt	thorium (Th).....	max. 1 ppt
holmium (Ho).....	max. 1 ppt	thulium (Tm).....	max. 1 ppt
indium (In).....	max. 1 ppt	tin (Sn).....	max. 50 ppt
iron (Fe).....	max. 20 ppt	titanium (Ti).....	max. 20 ppt
lanthanum (La).....	max. 1 ppt	tungsten (W).....	max. 20 ppt
lead (Pb).....	max. 10 ppt	uranium (U).....	max. 1 ppt
lithium (Li).....	max. 10 ppt	vanadium (V).....	max. 10 ppt
lutetium (Lu).....	max. 1 ppt	ytterbium (Yb).....	max. 1 ppt
magnesium (Mg).....	max. 20 ppt	yttrium (Y).....	max. 1 ppt
manganese (Mn).....	max. 10 ppt	zinc (Zn).....	max. 50 ppt
		zirconium (Zr).....	max. 10 ppt

**Physical data**

- Density: 1,11 g/cm<sup>3</sup>
- Solub. in water: (20 °C): miscible
- Melting point: -26 °C
- Boiling point: 107 °C
- Vapour pressure: (20 °C) ~ 18 hPa
- pH(20 °C) 2 - 4

**Safety - GHS**

**Signal Word:** Danger

**Hazard Statements:**

- H318: Causes serious eye damage.  
H302: Harmful if swallowed.


**Precautionary Statements:**

- P280: Wear protective gloves / protective clothing / eye protection / face protection.  
P264: Wash thoroughly after handling.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER or doctor / physician.  
P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.



**HI0143**

**Technical Data Sheet**

**Hydrogen peroxide, solution 30% w/w (110 vol), Ultratrace<sup>®</sup>, ppt-trace analysis grade**

#### **Transport/storage**

- ADR: 5.1 OC1 II • UN 2014 • HYDROGEN PEROXIDE, AQUEOUS SOLUTION
- IMDG: 5.1 II • UN 2014 • HYDROGEN PEROXIDE, AQUEOUS SOLUTION
- IATA/ICAO: 5.1 II • UN 2014 • HYDROGEN PEROXIDE, AQUEOUS SOLUTION
- PAX: 550
- CAO: 554
- 10°C - 30°C