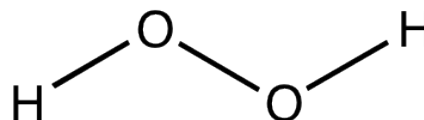


**Hydrogen peroxide, solution 30% w/w (110 vol), Ultratrace<sup>®</sup>, ppt-trace analysis grade**
**Identification**

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

**Packaging**

Packaging Code

5 0 5

**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.  
P270: Do not eat, drink or smoke when using this product.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P330: Rinse mouth.  
P501a: Dispose of contents / container in accordance with local / regional / national / international regulations.

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

- LD 50 (oral, rat): 2000 mg/kg (90% solution)
- MAK: 1 ml/m<sup>3</sup>, 1,4 mg/m<sup>3</sup>
- WGK: 0
- Poison class CH (Swiss): 3

**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: 501
- CAO: 506
- Store below 25°C