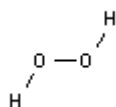


**PRODUCT CODE: 131077**

**Hydrogen Peroxide 33% w/v (110 vol.) (Reag. USP) for analysis, ACS, ISO**

H<sub>2</sub>O<sub>2</sub>



M.= 34,01

CAS [7722-84-1]

EINECS 231-765-0

TARIC 2847 00 00 00

**SYNONYMS:** Hydrogen Dioxide, Hydroperoxide

**PHYSICAL DATA:** liquid, Clear, Colourless, Miscible with water • D 20/4 1,12 • M.P.: -26 °C • B.P.: 107 °C • pH2 - 4 • Vap. press. (20 °C) 18 hPa •

**BIBLIOGRAPHY:** Merck Index **12**, 4.839 13, 4.819 Sax **HIB000** • Safety **2**, **2546 B** • Kühn-Birett **W 2** • Ullmann **(5.)13**, 443 • Fieser 1457 **2216 3154 4253 5337 6286 7174 8247 9241 10201 12242 13145 14176 15166** • ACS **XI** • ISO 6353/2-1983R - 14, 19 • BP.**2023** • USP **43** • Ph. Eur. **10.0** (2019) **11.0** (2023) • F.C.C **13** • Royal Decree **I** •

**HAZARDOUS:** C.E: 008-003-00-9 • RTECS: MX 0899000 • LD50 oral rat 1.193 mg/kg • LD50 oral rat 1.200 mg/kg • LC50 rat 2000mg/m3 / 4h • LD50 skn rat 6.500 mg/kg • VLA-ED 1 ppm1,4 mg/m3



H: H302 • H318 •

P: P264 • P270 • P280 • P301+P312 • P305+P351+P338 • P310 • P330 • P501 •

**TRANSPORT REGULATIONS:** UN: 2014 • ADR: 5.1(8)/II • IMDG: 5.1(8)/II • IATA: 5.1(8)/II • PAX: 550 • CAO: 554 • (E) •

**WEIGHT/VOLUME INFORMATION:** 1l-1,11 kg 1kg-0,9 l

**OBSERVATIONS:** Storage away from direct light. •

**SPECIFICATIONS:**

Assay (Perm.) w/w

30,0-32,0 %

Assay (in vol. O<sub>2</sub>) (Perm.) 110 vol.

**Maximum limit of impurities**

APHA colour 10  
Acidity 0,0006 meq/g

Non-volatile matter 0,002 %  
Chloride (Cl) 0,0001%  
Nitrogen compounds (as N) 0,0004%  
Ammonium (NH<sub>4</sub>) 0,0005%  
Phosphate (PO<sub>4</sub>) 0,0002 %  
Sulfate (SO<sub>4</sub>) 0,0005%  
Nitrate (NO<sub>3</sub>) 0,0002%  
Heavy metals (as Pb) 0,0001%

**Metals by ICP [in mg/Kg (ppm)]**

Ag 0,05  
Al 0,1  
As 0,5  
Au 0,1  
B 0,5  
Ba 0,1  
Be 0,02  
Bi 0,05  
Ca 0,5  
Cd 0,05  
Co 0,02  
Cr 0,02  
Cu 0,02  
Fe 0,1  
Ga 0,05  
Ge 0,05  
Hg 0,1  
In 0,05  
K 1  
Li 0,02  
Mg 0,1  
Mn 0,02  
Mo 0,02  
Na 1  
Ni 0,05  
Pb 0,1  
Pt 0,1  
Sb 0,02  
Sr 0,02  
Ti 0,05  
Tl 0,02  
V 0,02  
Zn 0,1  
Zr 0,05