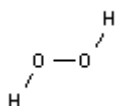


**PRODUCT CODE: 131077****Hydrogen Peroxide 33% w/v (110 vol.) for analysis, ACS, ISO**

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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.**2018** • USP **41** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **IV197** • Royal Decree **I** •**HAZARDOUS:** C.E: 008-003-00-9 • RTECS: MX 0899000 • LD L0 oral hmn 1.429 mg/kg • LD50 oral rat 2.000 mg/kg • LC50 rat 2000mg/m3 / 4h • LD50 skn rat 4.060 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

Ed.: 3 . Vig.: 15.01.2011 .

Prod.: 131077