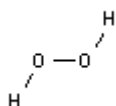




**PRODUCT CODE: 141077**

**Hydrogen Peroxide 33% w/v (110 vol.) stabilized (USP, BP, Ph. Eur.) pure, pharma grade**

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.2020** • **USP 42** • Ph. Eur. **9.0** (2017) **10.0** (2020) • 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	29,0-31,0 %
Assay (in vol. O2) (Perm.)	110 vol.
Identity :	
Identity according to Pharmacopoeias:	passes test

**Maximum limit of impurities**

Acidity	passes test
Non-volatile matter	0,05 %
Chloride (Cl)	0,005%
Nitrogen compounds (as N)	0,005%
Sulfate (SO4)	0,001%
Residual solvents (Ph.Eur/USP)	passes test
Organic stabilizers	0,05%

**Elemental impurities (ICH Q3D):**

**Class 1**

Cd	0,5 ppm
Pb	0,5 ppm
As	0,5 ppm
Hg	1,5 ppm

**Class 2A**

Co	5 ppm
V	10 ppm
Ni	20 ppm

**Class 2B**

Tl	0,8 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm

**Class 3**

Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	250 ppm
Sn	600 ppm
Cr	25 ppm