



PRODUCT CODE: 132175

Perchloric Acid 70% (Reag. USP) for analysis, ACS, ISO

HClO₄

HClO₄

M.= 100,46

CAS [7601-90-3]

EINECS 231-512-4

TARIC 2811 19 80 90

PHYSICAL DATA: liquid, Clear, Colourless, Miscible with water • Hygroscopic • D 20/4 1,668 • M.P.: -18 °C • B.P.: 198 °C •

BIBLIOGRAPHY: Merck Index **12**, 7.296 13, 7.232 Sax **62144** • Safety **2**, **2726 C** • Römp **8**, **3043** • Kühn-Birett **P 7** • Fieser **1796 2309 3220 5506 6453 9279 11402** • ACS **XI** • ISO 6353/2-1983 R - 21 , 28 •

HAZARDOUS: C.E: 017-006-00-4 • RTECS: SC 7500000 • LD50 oral rat 1.100 mg/kg •



H: H271 • H314 • H290 •

P: P280 • P283 • P303+P361+P353 • P305+P351+P338 • P321 • P405 • P501 • P310 •

TRANSPORT REGULATIONS: UN: 1873 • ADR: 5.1(8)/I • IMDG: 5.1(8)/I • IATA: 5.1(8)/I • PAX: F • CAO: 553 • (B/E) •

WEIGHT/VOLUME INFORMATION: 1l-1,67 kg 1kg-0,6 l

SPECIFICATIONS:

Assay (Acidim.) 69,0-72,0 %

Maximum limit of impurities

APHA colour	10
Insoluble matter in H ₂ O	passes test
Residue on ignition	0,003 %
Chlorine (Cl)	0,0005%

Chloride (Cl)	0,0003%
Nitrogen compounds (as N)	0,001%
Sulfate (SO4)	0,001%
Phosphate and Silicate (as PO4)	0,0005%
Chlorate (ClO3)	0,0012%
As	0,000005 %
Heavy metals (as Pb)	0,0001%

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

Ag	0,1
Al	0,1
Ba	0,1
Be	0,5
Ca	1
Cd	0,05
Co	0,1
Cr	0,1
Cu	0,05
Fe	1
K	1
Mn	0,05
Na	5
Ni	0,05
Pb	0,1
Sr	0,5
Zn	0,1