



PRODUCT CODE: 131054

Perchloric Acid 60% for analysis, ACS, ISO

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 1,5298 • B.P.: 160 °C •

BIBLIOGRAPHY: Merck Index **12**, 7.296 13, 7.232 Sax **6214** • 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 •

P: P210 • P220 • P221 • P260 • P264 • P501 • P280 • P283 • P301+P330+P331 • P303+P361+P353 • P304+P340 • P305+P351+P338 • P306+P360 • P310 • P321 • P338 • P363 • P370+P378 • P371+P380+P375 • P405 •

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~1,54 kg 1kg~0,65 l

SPECIFICATIONS:

Assay (Acidim.)

60,0-62,0 %

Maximum limit of impurities

APHA colour	10
Insoluble matter in H2O	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)	0,001%
Heavy metals (as Pb)	0,0001%

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

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