



PRODUCT CODE: 131058

Sulfuric Acid 95-97% (max. 0.0000005% Hg) (Reag. Ph. Eur., USP) for analysis, ACS, ISO

H₂O₄S

H₂SO₄

M.= 98,08

CAS [7664-93-9]

EINECS 231-639-5

TARIC 2807 00 00 00

PHYSICAL DATA: liquid, Clear, Colourless, Miscible with water • D 20/4 1,84 • M.P.: -15 °C • B.P.: 330 °C • Vap. press. (20 °C) 0,0001 hPa •

BIBLIOGRAPHY: Merck Index **13**, 9.064 14, 8.974 Sax **SOI500** • Safety **2**, **2178 D** • Römp **8**, **3760** • Kühn-Birett **S 12** • Fieser **1470 5633 6558 7347 9441** • ACS **XI** • ISO 6353-2/1983 R - 37 , 52 • BP.**2023** • USP **-NF 38** • Ph. Eur. **10.0** (2019) **11.0** (2023) • F.C.C **12 13** • BOE **243**(8-10-2009) • Regulation (EU) n° 231/2012 •

HAZARDOUS: C.E: 016-020-00-8 • RTECS: WS 5600000 • LD50 oral rat 2.150 mg/kg • LC50 rat 510mg/m³ / 2h • VLA-EC 3 mg/m³ VLA-ED (Spain) 1 mg/m³ VLA-ED (Italy) 0,05 mg/m³



H: H314 •

P: P260 • P264 • P280 • P301+P330+P331 • P303+P361+P353 • P501 • P304+P340 • P305+P351+P338 • P310 • P321 • P338 • P363 • P405 •

TRANSPORT REGULATIONS: UN: 1830 • ADR: 8/II • IMDG: 8/II • IATA: 8/II • PAX: 851 • CAO: 855 • (E) •

WEIGHT/VOLUME INFORMATION: 1l-1,84 kg 1kg-0,54 l

OBSERVATIONS: Product controlled as a drug precursor. •

SPECIFICATIONS:

Assay (Acidim.)

95,0% - 97,0%

Suitability: for COD determination according to UNE 77-004-89 passes test

Maximum limit of impurities

APHA colour	10
Reducing substance to KMnO4 (as SO2)	0,0002 %
Residue on ignition	0,0005 %
Chloride (Cl)	0,00001%
Ammonium (NH4)	0,0002%
Phosphate (PO4)	0,00005 %
Nitrate (NO3)	0,00002%
Heavy metals (as Pb)	0,0001%
Ag	0,000002 %
Al	0,000005 %
As	0,000001 %
Au	0,00001 %
B	0,000005 %
Ba	0,000005 %
Be	0,000002 %
Bi	0,000005 %
Ca	0,00002 %
Cd	0,000002 %
Co	0,000002 %
Cr	0,000002 %
Cu	0,000001 %
Fe	0,00001 %
Ga	0,000005 %
Ge	0,000002 %
Hg	0,0000005 %
In	0,000005 %
K	0,00001 %
Li	0,000002 %
Mg	0,000005 %
Mn	0,000001 %
Mo	0,000002 %
Na	0,00005 %
Ni	0,000002 %
Pb	0,000002 %
Pt	0,00001 %
Sb	0,000001 %
Si	0,00001 %
Sn	0,000005 %
Sr	0,000002 %
Ti	0,000002 %
Tl	0,000002 %
V	0,000001 %
Zn	0,000005 %
Zr	0,000002 %