



PRODUCT CODE: 471058

Sulfuric Acid 95-98% (max. 0.0000005% Hg) (Reag. USP) for analysis, ACS, ISO



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.**2018** • USP **-NF 37** • Ph. Eur. **8.0** (2014) **9.0** (2017) • F.C.C **10 11** • 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.)	95,0-98,0 %
-----------------	-------------

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%
Hg	0,0000005%
Heavy metals (as Pb)	0,0001%

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

Ag	0,02
Al	0,05
As	0,01
Au	0,1
B	0,05
Ba	0,05
Be	0,02
Bi	0,05
Ca	0,2
Cd	0,02
Co	0,02
Cr	0,02
Cu	0,01
Fe	0,1
Ga	0,05
Ge	0,02
In	0,05
K	0,1
Li	0,02
Mg	0,05
Mn	0,01
Mo	0,02
Na	0,5
Ni	0,02
Pb	0,02
Pt	0,1
Sb	0,01
Si	0,1
Sn	0,05
Sr	0,02
Ti	0,02
Tl	0,02
V	0,01
Zn	0,05
Zr	0,02