

**PRODUCT CODE: 471058****Sulphuric Acid 95-98% (max. 0,000005% Hg) PA-ACS-ISO**H₂O₄S
H₂SO₄

M.= 98,08

CAS [7664-93-9]

EINECS 231-639-5

NC 2807 00 00 00

E -513

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 •**APPLICATIONS:** Reagent used for the determination of C.O.D. (Chemical Oxygen Demand) • UNE 77-004-02 (2002) • ISO 6060-1989 • Norme Française NFT 90-101 (1988) • Analytical reagent • USP 36 • BP 2013 • Ph. Eur. 7.0 • F.C.C. 7 •**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 **X670-674IX643 647** • ISO 6353-2/1983 R - 37 , 52 • BP. **2013** • USP -**NF 31** • Ph. Eur. **6.0** (2008) **7.0** (2011) • F.C.C **7 8** • 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 (H₂SO₄) 1 mg/m³

H: H314 •

P: P260 • P264 • P280 • F301+F330+F331 • F303+F361+F353 • F501 • F304+F340 • F305+F351+F338 • F310 • F321 • F338 • F363 • F405 •

TRANSPORT REGULATIONS: UN: 1830 • ADR: 8/II • IMDG: 8/II • IATA: 8/II • FAX: 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 [en 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 |