



PRODUCT CODE: AL2448

Sulphuric Acid 25% pure, pharma grade



M.= 98,08

CAS [7664-93-9]

EINECS 231-639-5

TARIC 2807 00 00 00

PHYSICAL DATA: liquid, Clear, Colourless, Soluble in water. D 20/4 1,18 • B.P.: 103 °C •

BIBLIOGRAPHY: Merck Index **12**, 9.147 Sax **SOI500** • Safety **2 , 2178 D** • Römp **8 , 3760** • Kühn-Birett **S 12** • Fieser **1470 5633 6558 7347 9441** •

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 1 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: 2796 • ADR: 8/II • IMDG: 8/II • IATA: 8/II • PAX: 851 • CAO: 855 • (E) •

WEIGHT/VOLUME INFORMATION: 1l~1,181 kg 1kg~0,846 l

OBSERVATIONS: Product controlled as a drug precursor. •

SPECIFICATIONS:

Assay (Acidim.)

24,0-26,4 %

Identity :

Identity according to Pharmacopoeias:

passes test

Maximum limit of impurities

Appearance of solution	passes test
Reducing substance to KMnO ₄	passes test
Residue on ignition	0,002 %
Chloride (Cl)	0,001%
Ammonium (NH ₄)	0,001%
Residual solvents (Ph.Eur/USP)	passes test
Nitrate	passes test
Heavy metals (as Pb)	0,0005%

Fe	0,0001 %
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Elemental impurities (ICH Q3D):**Class 1**

Cd	0,5 ppm
Pb	0,5 ppm
As	1 ppm
Hg	1,5 ppm

Class 2A

Co	5 ppm
V	10 ppm
Ni	5 ppm

Class 2B

Tl	0,8 ppm
Au	10 ppm
Pd	10 ppm
Ir	10 ppm
Os	10 ppm
Rh	10 ppm
Ru	10 ppm
Se	15 ppm
Ag	15 ppm
Pt	10 ppm

Class 3

Li	55 ppm
Sb	120 ppm
Ba	140 ppm
Mo	25 ppm
Cu	5 ppm
Sn	600 ppm
Cr	25 ppm

This product has been manufactured with raw material which passes the USP-NF, BP, Ph. Eur. specifications.