

**PRODUCT CODE: 131270**

**Copper(II) Sulfate 5-hydrate (Reag. USP, Ph. Eur.) for analysis, ACS, ISO**

$\text{CuO}_4\text{S}\cdot 5\text{H}_2\text{O}$

$\text{CuSO}_4\cdot 5\text{H}_2\text{O}$

M.= 249,68

CAS [7758-99-8]

EINECS 231-847-6

TARIC 3822 90 00 00

**PHYSICAL DATA:** crystals, Blue, Soluble in water 330 g/l at 20 °C Thermal decom. above 110 °C • D 2,284 • pH(50g/l)4 •

**BIBLIOGRAPHY:** Merck Index **13**, 2.682 Sax **CNP500** • Safety **2**, **916 D** • Römp **8**, **2292** • Fieser **1164 289 5162 6141 8125 10107** • ACS **XI** • ISO 6353/2-1983 R - 9, 12 • **BP.2023** • USP **43** • Ph. Eur. **10.0** (2019) **11.0** (2023) • F.C.C **13** •

**HAZARDOUS:** C.E: 029-004-00-0 • RTECS: GL 8900000 • LD L0 oral man 50 mg/kg • LD50 oral rat 6.600 mg/kg • LD L0 oral man 50 mg/kg • LD L0 oral hmn 1.088 mg/kg • LD50 oral rat 300 mg/kg •



H: H302 • H410 • H318 •

P: P264 • P310 • P270 • P501 • P273 • P280 • P301+P312 • P330 • P337+P313 • P391 •

**TRANSPORT REGULATIONS:** UN: 3077 • ADR: 9/III • IMDG: 9/III • IATA: 9/III • PAX: 956 • CAO: 956 • (-) •

**SPECIFICATIONS:**

Assay (Iodom.) 99-101 %

**Maximum limit of impurities**

Insoluble matter in H<sub>2</sub>SO<sub>4</sub> 0,005 %

Chloride (Cl) 0,001%

Nitrogen compounds (as N) 0,001%

As 0,0001 %

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

Ca	50
Cd	10
Co	10
Cr	5
Fe	30
Hg	5
K	10
Mg	20
Mn	5
Na	50
Ni	50
Pb	50
Si	5
Sr	5
Ti	5
V	5
Zn	300