



PRODUCT CODE: 131362

Iron(II) Sulfate 7-hydrate (Reag. USP) for analysis, ACS

$\text{FeO}_4\text{S}\cdot 7\text{H}_2\text{O}$

$\text{FeSO}_4\cdot 7\text{H}_2\text{O}$

M.= 278,02

CAS [7782-63-0]

EINECS 231-753-5

TARIC 2833 29 80 80

SYNONYMS: Green Vitriol

PHYSICAL DATA: crystals, Green-bluish, Soluble in water 400 g/l at 20 °C Thermal decom. above 400 °C • D 1,897

• M.P.: 64 °C • pH3 - 4 •

BIBLIOGRAPHY: Merck Index **12**, 4.105 13, 4.091 Sax **FBO000** • Safety **2** , **2014 D** • Römp **8** , **1069** • Fieser **1393**
4237 5308 11276 • ACS **XI** • ISO 6353/3-1987R - 69 , 37 • BP.**2018** • USP **42** • Ph. Eur. **8.0** (2014) **9.0** (2017)
• F.C.C **10 11** •

HAZARDOUS: RTECS: NO 8510000 • LD L0 oral rbt 2.778 mg/kg • LD L0 oral rat 1.389 mg/kg • LD50 oral mus 1.520 mg/kg • LD50 ipr mus 245 mg/kg



H: H302 • H319 • H315 •

P: P264 • P270 • P280 • P301+P312 • P302+P352 • P501 • P305+P351+P338 • P321 • P330 • P332+P313 • P337+P313 • P362 •

SPECIFICATIONS:

Minimum assay (Perm.) 99,0%

pH of 5% solution 3-4

Maximum limit of impurities

Insoluble matter in H2O	0,005 %
Chloride (Cl)	0,001%
Nitrogen compounds (as N)	0,001%
Phosphate (PO4)	0,0005 %
Fe(III)	0,1%
As	0,00004 %

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

Be	10
Bi	10
Ca	50
Cd	50
Co	20
Cr	80
Cu	10
Hg	10
K	20
Mg	20
Mn	300
Mo	10
Na	20
Ni	50
Pb	5
Sr	10
Ti	10
Zn	20