



PRODUCT CODE: 141721

Sodium Thiosulfate 5-hydrate (USP, BP, Ph. Eur.) pure, pharma grade

$\text{Na}_2\text{S}_2\text{O}_3 \cdot 5\text{H}_2\text{O}$

M.= 248,18

CAS [10102-17-7]

EINECS 231-867-5

TARIC 2832 30 00 00

PHYSICAL DATA: crystals, White, Soluble in water 680 g/l at 20 °C Thermal decomp. above 45 °C • Hygroscopic •
D 1,69 • M.P.: 48 °C • pH6,0 - 8,5 •

BIBLIOGRAPHY: Merck Index **12**, 8.844 13, 8.769 Sax **SKI500** • Römp **8**, **2747** • Fieser **11107 4466 15134** • ACS
XI • ISO 6353/2-1983R - 36 , 51 • **BP.2020** • **USP 42** • Ph. Eur. **9.0** (2017) 5.1 , 3009 **10.0** (2020) 5.1 , 3009 •
F.C.C **10 11** •

HAZARDOUS: RTECS: WE 6660000 • LD50 ipr mus 5.600 mg/kg

OBSERVATIONS: Not recommended in areas with a very hot climate •

SPECIFICATIONS:

Assay (Iodom.)	99,0-101,0%
Assay (Iodom.) calc. a.a.s	99,0-100,5%
Identity :	
Identity according to Pharmacopoeias:	passes test
pH of 10 % solution	6,0-8,4

Maximum limit of impurities

Appearance of solution	passes test
Loss on drying	32,0-37,0 %
Chloride (Cl)	0,02%
Nitrogen compounds (as N)	0,01%

Sulfide (S)	passes test
Residual solvents (Ph.Eur/USP)	passes test
Sulfate and sulfite (as SO ₄)	0,2%
Ca	passes test
Fe	0,001 %
Mg	0,01 %
Elemental impurities (ICH Q3D):	
Class 1	
Cd	0,5 ppm
Pb	0,5 ppm
As	1,5 ppm
Hg	1,5 ppm
Class 2A	
Co	5 ppm
V	10 ppm
Ni	10 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	10 ppm
Sn	600 ppm
Cr	25 ppm