

neoFroxx GmbH

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Specification

Product	Sodium thiosulfate pentahydrate
Brand	Labochem

Quality	pure EP, USP
Product number	LC-4027
Formula	$\text{Na}_2\text{O}_3\text{S}_2 \cdot 5\text{H}_2\text{O}$
Molecular weight	248.18 g/mol
CAS number	10102-17-7
Density (d 20°C/4°C)	approx. 1.73
Melting range	48°C (dec.)
Solubility (water, 20°C)	680 g/l
Storage	RT

We herewith confirm that this product meets the requirements of the European Pharmacopoeia (EP 8.0) and the US Pharmacopoeia (USP 37).

TSE/BSE declaration: The product is manufactured wholly from synthetic and plant materials and does not contain any raw materials produced from or substances derived of animal origin. Moreover this product is not derived from specific risk materials as defined in Guideline EMEA/410/01 final Rev. 03/2004.

All packaging materials are not of animal origin. The product does not come in contact with animal products during storage or transportation. Depending on the quantity we either use PE-Flascs with original lids or PE-cans with original lid with PE-bags inside or card boxes with PE-bags inside.

Parameter	Specification
Assay (iodometric)	99.0 - 101.0 %
Assay (iodometric, calc. on anhydrous subst.)	99.0 - 100.5 %
Appearance of solution	passes test
Identity (USP)	passes test
	A) To a solution (1 in 10) add a few drops of IodineTS: color is discharged. B) A solution (1 to 10) responds to the test for Sodium <191> and for Thiosulfate <191>.
pH (10 % in water; 20°C)	6.0 - 8.4
Heavy metals (as Pb)	max. 0.001 %
Loss on drying (16 h; vacuum; 40 - 45°C)	32.0 - 37.0 %

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Specification

Sulfate, Sulfite (as SO ₄)	max. 0.2 %
Sulfide	passes test
Ca	passes test
Residual sol. (ICH Q3C)	excluded by production process

Einhausen, 18.01.2017 (revised)