

Product Specification

Product Name: Streptomycin sulfate ≥ 720 IU/mg
 Source: Streptomyces griseus
 Synonym: Streptomycin sesquisulfate; Streptomycin A

Item Nr.: 1121 MW: 1457g/mol (C₂₁H₃₉N₇O₁₂)₂·3H₂SO₄
 CAS Nr.: 3810-74-0 E.C.Nr.: EINECS: 223-286-0

Parameter	Method	Specification	Unit
Appearance	visual	white or almost white powder	
Solubility	25% in H ₂ O	very soluble	
Clarity of solution	Nephelometry	0	NTU
Coloration of sol.	Gardner	2-4	
Identification	TLC	corresponds	
Potency	calc. with ref. to the dried substance	>720	I.U./mg
Loss on drying		<7.0	%
pH	25% in H ₂ O CO ₂ -free	4.5 - 7.0	
Streptomycin B	TLC	<3.0	%
Methanol	GC	<0.3	%
Sulfated ash		<1.0	%
Sulfates (SO ₄)	acc. to EP monogr. 0053	18.0 - 21.5	%
Colorimetric Test	in percent of absorbance of the standard	>90.0	%
Bacterial endotoxins		<0.25	I.U./mg

Storage: Keep well closed at room temperature in a dark and dry place.

For professional use only. Not intended for pharmaceutical use. We do not warrant suitability for any particular application. Consult Safety Data Sheet.

Version/Latest update: 03/03.08.2023