

## Product Specification

Product Name: Kanamycin acid sulfate  $\geq 670$ U/mg \*copoeia  
Kanamycindisulfat

Item Nr.: 1091 MW: 651.2 g/mol C<sub>18</sub>H<sub>36</sub>N<sub>4</sub>O<sub>11</sub>\*1.7H<sub>2</sub>SO<sub>4</sub>  
CAS Nr.: 64013-70-3 E.C.Nr.: EINECS: 613-414-7

Parameter	Method	Specification	Unit
Appearance	visual	White to off-white powder	
Solubility	1% in H <sub>2</sub> O	soluble	
Clarity of solution	Nephelometry	0	NTU
Coloration of sol.	Gardner	1	
Identification	TLC	complies to standard	
Activity	calc. on dried subst.	>670	U/mg
Kanamycin B	TLC	< 4.0	%
Loss on drying		<5	%
Optical rotation	[ $\alpha$ ] <sub>20D</sub> 1% in H <sub>2</sub> O (CO <sub>2</sub> -free)	+103 - +115	°
pH	1% in H <sub>2</sub> O (CO <sub>2</sub> -free)	5.5 - 7.5	
Sulfated ash		<0.5	%
Sulfates (SO <sub>4</sub> )		23.0 - 26.0	%

Storage: Keep well closed at 2-8 °C 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: 02/08.11.2017