

Specification

Technical Data Sheet

Product Name	Lysostaphin from Staphylococcus simulans
Product No	90026679
CAS Number	9011-93-2
Storage Temperature	-15 to -20 °C
Molecular Weight	-
	Specification
Appearance	Sterile Filtered lyophilized powder.
Purity (HPLC)	≥ 97.0% (RP-HPLC)
Formulation	The protein was lyophilized without any additives.
Identification (RAMAN)	Conforms to Reference
Solubility	It is recommended to reconstitute the lyophilized Lysostaphin in 20mM sodium acetate, pH 4.5 for optimal stability, which can then be further diluted.
Stability	Lyophilized Lysostaphin although stable at room temperature for 2 weeks, should be stored desiccated below -18°C. Upon

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reconstitution Lysostaphin can be stored at 4°C up to three weeks and for future use below -18°C.

Biological activity

Assessed by the decrease in turbidity of a suspension of heat-killed Staphylococcus aureus at pH-8, 30°C. Lysostaphin is a zinc enzyme therefore EDTA is an inhibitory factor

Specific Activity

≥ 3,000 U/mg
