



Specification

Piperacillin Sodium Salt

CAS Number: 59703-84-3
Molecular Formula: C₂₃H₂₆N₅NaO₇S
Molecular Weight: 539.54
Storage: 2-8°C

Test	Specification
Appearance:	White to off white powder
Solubility:	Very soluble in water, Freely soluble in methanol and in ethanol, and practically insoluble in acetonitrile
Identification (A, B):	Comply
Water:	≤ 1.0 %
pH:	5.5 - 7.5
Particulate Matter (> 10 um):	≤ 6000 /g
Particulate Matter (> 25um):	≤ 600 /g
Related Substances (Piperacillin A):	≤ 3.5 %
Related Substances (Piperacillin B):	≤ 1.0 %
Residual Solvent (Acetone):	≤ 0.5 %
Residual Solvent (Ethyl acetate):	≤ 0.5 %
Residual Solvent (Ethyl Alcohol):	≤ 0.5 %
Residual Solvent (Triethylamine):	≤ 0.5 %
Residual Solvent (Methylene Chloride):	≤ 0.06 %
Bacterial Endotoxins :	≤ 0.07 EU/mg
Sterile:	Should be sterile
Assay :	863 - 1007 µg/mg



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Approved:

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