

BIOCHEMICALS
BY

SORACHIM

Piperacillin sodium

PPC-101C

SPECIFICATIONS

CAS	59703-84-3
Appearance:	White crystalline powder
Solubility:	Soluble in water, methylate, ethanol. Insoluble in acetone.
Molecular weight:	539.54
Molecular formula:	$C_{23}H_{26}N_5NaO_7S$
pH:	5.5 - 7.5
Melting point:	140 - 147 °C
Water:	< 1.0 %
Related substances (HPLC):	Related compound A: = 3.5 % Related compound C: = 1.0 %
Particulate matter:	>10µm particulate:<3000part./g >25µm particulate:<500 part./g
Bacterial endotoxins:	< 0.07 USP EU/mg
Sterility:	Complies
Assay:	863 µg/mg - 1007 µg/mg
Storage:	2 - 8 °C. Protect from light.
Stability:	At least 2 years at 2 - 8 °C.