



## Specification

### Timentin USP

**Catalog Number:** TM1002  
**CAS Number:** 86482-18-0  
**Synonym:** Ticarcillin Disodium Salt/Potassium Clavulanate (15:1)  
**Molecular Formula:**  $C_{15}H_{14}N_2Na_2O_6S_2/C_8H_8NO_5K$   
**Storage:** 2°C – 8°C  
**Retest Period:** Two years from the date of manufacture

Test	Specification
Appearance	White to pale yellow powder
Identification (HPLC)	The retention times of the major peaks in the chromatogram of the assay preparation correspond to that in the chromatogram of the standard preparation.
Assay (%): Ticarcillin Clavulanic acid	Contains $\geq 75\%$ of $C_{15}H_{16}N_2O_6S_2$ Contains $\geq 5\%$ of $C_8H_9NO_5$
Ticarcillin:Clavulanate Ratio	Between 14:1 and 16:1
pH	5.5 – 7.5
Moisture	$\leq 4.2\%$
Particulate matter	Meet the requirements
Bacterial Endotoxins	$\leq 0.07\text{EU/mg}$
Related substances: Major impurity Minor impurity	$\leq 4.0\%$ $\leq 2.5\%$
All lots meet the specifications for USP 34.	

Approved:

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