

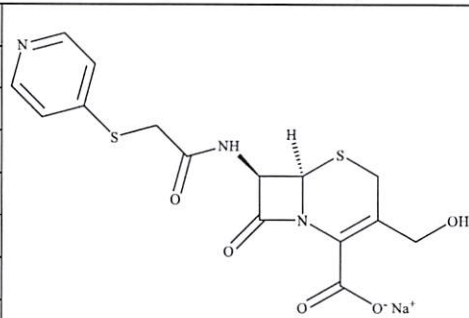
## Certificate of Analysis

Certificate No.: **20260527007**



Date: May 27, 2026

Retest date: May 25, 2029

<b>Compound Name:</b> Desacetyl Cephapirin Sodium Salt	
<b>Synonyms:</b>	(6R,7R)-3-(hydroxymethyl)-8-oxo-7-(2-(pyridin-4-ylthio)acetamido)-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate, sodium salt (1:1)
<b>TLC Catalogue Number:</b>	C-182002
<b>CAS Number:</b>	104557-24-6
<b>Alternate CAS Number:</b>	38115-21-8 (free acid)
<b>Molecular Weight:</b>	380.41 22.99
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>14</sub> N <sub>3</sub> O <sub>5</sub> S <sub>2</sub> · Na
<b>Source:</b>	TLC Pharmaceutical Standards
<b>Source Lot No.:</b>	7343-079A4
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	DMSO, Water



Test Description	Specifications	Results
<b>Visual Description</b>	Pale orange solid	<b>Conforms</b>
<b>Identification</b>		
IR	Conforms to structure	<b>Conforms</b>
MS	Conforms to structure	<b>Conforms</b>
<sup>1</sup> H NMR	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>99.4%</b>
<b>Impurity (HPLC)</b>	RT 1.42, 0.11%; RT 10.28, 0.23%	
<b>Optical Rotation</b>	N/A	[α] <sub>D</sub> <sup>25.0</sup> (c=0.59, H <sub>2</sub> O): <b>+168.1°</b>
<b>Residual Solvents (NMR)</b>	No residual solvent	
<b>Assay (qNMR)</b>	Not less than 90.0%	<b>96.3%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		05/27/2026
Approved by:	Quality Assurance		05/27/2026

**Attachments:** Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.