

# Chem-Impex International, Inc.

---

**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---

## Certificate of Analysis

<b>Catalogue Number</b>	00058
<b>Product</b>	<b>Cephalothin sodium salt</b>
<b>Lot Number</b>	001204-10116142
	Sodium Cephalothin
	7-(2-Thienylacetamido)cephalosporanic acid sodium salt
<b>CAS Number</b>	58-71-9
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>15</sub> N <sub>2</sub> O <sub>6</sub> S <sub>2</sub> Na
<b>Molecular Weight</b>	418.41

---

<b>Appearance</b>	White crystalline powder
<b>Solubility</b>	Freely soluble in water, in saline TS, and detrose solution
<b>Crystallinity</b>	Meets the requirements
<b>pH</b>	7.13
<b>Optical Rotation</b>	[α] <sub>D</sub> = +130.2° (50 mg/mL Water)
<b>Loss on Drying</b>	0.46%
<b>Bacterial Endotoxins</b>	< 0.10 EU/mg
<b>Related Substances</b>	Individual: 0.26% Total Impurities: 0.58%
<b>Purity by HPLC</b>	952 µg/mg of Cephalothin (On dried basis)
<b>Storage</b>	Store at 2-8 °C
<b>Additional Information</b>	UV absorption spectrum of sample solution exhibits maxima and minima at the same wavelength as that of working standard solution. Sodium test: Passes
<b>Remarks</b>	See material safety data sheet for additional information  For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager