

# *Chem-Impex International, Inc.*

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## Certificate of Analysis

<b>Catalog Number</b>	15160
<b>Product Name</b>	<b>Cefonicid Sodium</b>
<b>Lot Number</b>	001113-31241933
<b>CAS Registry Number</b>	61270-78-8
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>16</sub> N <sub>6</sub> Na <sub>2</sub> O <sub>8</sub> S <sub>3</sub>
<b>Molecular Weight</b>	586.51
<b>Appearance</b>	White powder
<b>Solubility (0.1% aqueous solution with frequent agitation)</b>	Clear, colorless solution (100% soluble after 15 min)
<b>Identification (HPLC, Sodium)</b>	Conforms
<b>Potency (HPLC)</b>	886 mcg/mg (anhydrous basis)
<b>Specific Optical Rotation</b>	- 40 ° (w/v in MeOH)
<b>pH (0.1% solution potentiometrically determined at 25 ± 1 °C)</b>	6.0
<b>Infrared spectra using KBr technique</b>	Conforms with the standard
<b>Constituted solution</b>	Conforms
<b>Color (Absorbance)</b>	0.06 (10 % solution, 425 nm)
<b>Water</b>	2.8%
<b>Foreign particles</b>	
<b>Particles &gt; 10.0 micron</b>	≤ 6000 particles/g
<b>Particles &gt; 25.0 micron</b>	≤ 600 particles/g
<b>Residual solvents</b>	≤ 0.1% Ethyl alcohol ≤ 0.1% Acetone ≤ 0.07% Tetrahydrofuran ≤ 0.02% Methylene chloride
<b>Related substances</b>	0.6% 3-TSA ≤ 1.0% Formyl cefonicid ≤ 0.5% 7-ACA
<b>Single unknown impurity</b>	0.9 %
<b>Total impurities</b>	3.3 %

<b>Sterility</b>	Conforms
<b>Bacterial endotoxins (LAL Test)</b>	$\leq 0.15$ EU/mg
<b>Manufacturing Date</b>	September 24, 2015
<b>Storage</b>	Store at 2 – 8 °C.
<b>Remarks</b>	See Material Safety Data Sheets 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**