

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	01573
<b>Lot Number</b>	000572-161612
<b>Product</b>	<b>Cefsulodin sodium salt hydrate</b>
<b>CAS Number</b>	52152-93-9
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>19</sub> N <sub>4</sub> O <sub>8</sub> S <sub>2</sub> Na
<b>Molecular Weight</b>	554.5

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<b>Appearance</b>	Light yellow crystalline powder
<b>Water Content (Karl Fisher)</b>	1.8%
<b>pH</b>	4.1 (C=1 in Water)
<b>Optical Rotation</b>	+18° (C = 1 in Water)
<b>Related Substances</b>	Isonicotinic acid amide: 0.22% Total impurities: 0.93%
<b>Assay (anhydrous basis)</b>	90.1%
<b>Purity by HPLC</b>	98.8%
<b>Storage</b>	Store at 0-8 °C
<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