

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	38385
<b>Lot Number</b>	002197-221010
<b>Product</b>	<b>Cefdinir</b> syn-7-[2-(2-amino-4-thiazolyl)-2-hydroxyiminoacetamido]-3-vinyl-3-
<b>CAS Number</b>	91832-40-5
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>13</sub> N <sub>5</sub> O <sub>5</sub> S <sub>2</sub>
<b>Molecular Weight</b>	395.41

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<b>Appearance</b>	White or yellowish crystalline powder
<b>Solubility</b>	Passes test
<b>Heavy Metals</b>	< 10 ppm
<b>Water Content (Karl Fisher)</b>	0.86%
<b>pH</b>	3.5
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -64 °
<b>Infrared Spectrum</b>	Conforms to structure
<b>UV Ratios</b>	Specific absorbance : 606 nm
<b>Residual Solvents</b>	Tetrahydrofuran : Not detected Methylene chloride : Not detected Triethylamine : Not detected Acetic acid : Not detected Ethanol : Not detected
<b>Related Substances</b>	Impurity A, E, F, P, Q, S, T, U, B, C, D, O, M+N, Any Individual impurity : < 0.04% Impurity R : 0.05% , Impurities G+H : 0.13% Impurities : I+J+K+L : 0.04 Total impurities : 0.23%
<b>Residue On Ignition</b>	0.07%
<b>Assay (anhydrous basis)</b>	99.2%
<b>Storage</b>	Store at 2 - 8 °C

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**Remarks**

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**