

Analysis Date: 06/04/2021

Re-test Date: 05/04/2023

**Cefdinir Sulfoxide**
**Identification**

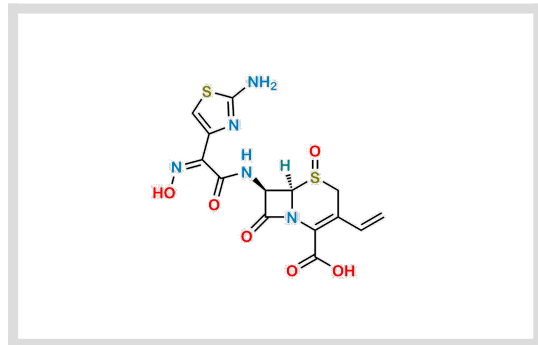
**Chemical Name** : (6R,7R)-7-((Z)-2-(2-Aminothiazol-4-yl)-2-(hydroxyimino)acetamido)-8-oxo-3-vinyl-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid 5-oxide

**CAT No.** : SZ-C020013

**CAS No.** : 934986-48-8

**Molecular Formula** : C<sub>14</sub>H<sub>13</sub>N<sub>5</sub>O<sub>6</sub>S<sub>2</sub>

**Molecular Weight** : 411.4


**Analytical Information**

<b>Batch Code</b>	: SRL-302-96	<b>HPLC Purity</b>	: 97.79 %
<b>Solubility</b>	: Buffer:Solution A(1:1)	<b>Mass</b>	: Confirm
<b>Appearance of product</b>	: Off White Solid	<b>IR Analysis</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 °C for long term storage	<b><sup>1</sup>H NMR</b>	: Confirm
<b>Weight Loss By TGA</b>	: 7.00 %		

**Additional Information**

% Potency = [100 - 7.00 ( Wt loss by TGA )] X [ 97.79 (HPLC Purity)] / 100 = 90.94 %

Solution A: 0.1 % dil.TMAH (10%) adjust pH-5.5 with H<sub>3</sub>PO<sub>4</sub> Buffer: 14.2 g/L NaH<sub>2</sub>PO<sub>4</sub> + 13.6 g/L KH<sub>2</sub>PO<sub>4</sub>; pH-7.0 (2:1)



**Recommendation** : Released



Department

Signature

Date

Prepared and Reviewed by	Analytical		04/04/2023
Approved By	Quality Control		04/04/2023

**Attachments** : HPLC, Mass, <sup>1</sup>H NMR, IR, TGA

**Shipping Condition** : All Products are stable to be shipped at room temperature, unless otherwise specified.