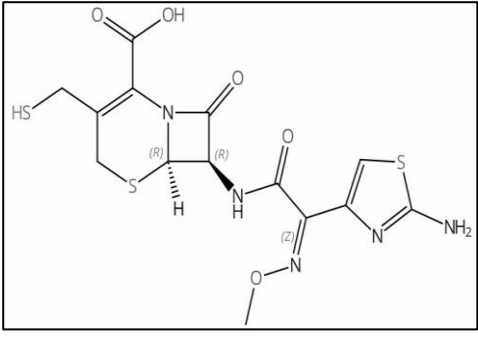


Analysis Date: 18-06-2025

Re-test Date: 18-06-2028

## CEFTIOFUR MERCAPTAN (USP)

### Identification

<b>Chemical Name</b>	: (6R,7R)-7-[(Z)-2-(2-Aminothiazol-4-yl)-2-(methoxyimino)acetamido]-3-(mercaptomethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid	
<b>CAT No</b>	: ALL-CEF-2226	
<b>CAS No</b>	: 120882-22-6	
<b>Molecular Formula</b>	: C <sub>14</sub> H <sub>15</sub> N <sub>5</sub> O <sub>5</sub> S <sub>3</sub>	
<b>Molecular Weight</b>	: 429.5	

### Analytical Information

<b>Batch Code</b>	: ALL-CEF-2226	<b>HPLC Purity</b>	: 98.08%
<b>Solubility</b>	: METHANOL	<b>Potency</b>	: 97.33%
<b>Appearance of Product</b>	: Off White Solid	<b>Mass</b>	: Confirm
<b>Long Term Storage</b>	: 2-8 <sup>0</sup> C	<b>IR Analysis</b>	: Confirm
<b>Weight Loss By TGA</b>	: 0.546%	<b><sup>1</sup>HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.218%		

### Additional Information

$$\% \text{Potency} = [100 - (\text{Weight Loss By TGA \%} + \text{Residue Of Ignition \%}) \times \text{Chromatographic Purity\%}] / 100 = [100 - (0.546 + 0.218) \times 98.08] / 100 = 97.33\%$$

**Recommendation** : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadase Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

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

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

#### Corporate Office