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**Certificate of Analysis**

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Product Name: Ceftiofur HCl  
Cat. No.: GC11235  
Batch No.: 1  
Chemical Name: (6R,7R)-7-[[[(2Z)-2-(2-amino-1,3-thiazol-4-yl)-2-methoxyiminoacetyl]amino]-3-(furan-2-carbonylsulfanylmethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid;hydrochloride

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 103980-44-5  
Molecular Formula:  $C_{19}H_{17}N_5O_7S_3.HCl$   
Molecular Weight: 560.02  
Storage: Store at -20°C  
Chemical Structure:

**ANALYTICAL DATA**

Appearance: solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >98%  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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