



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-211043  
Lot Number: SAMPLE  
Product Name: Cefozopran Dihydrochloride  
CAS Number: 113359-04-9 (HCl salt)  
Molecular Formula:  $C_{19}H_{17}N_3O_5S_2 \cdot 2HCl$   
Molecular Weight: 588.45

| Test                               | Specification | Result                    |
|------------------------------------|---------------|---------------------------|
| Appearance                         |               | Off-white solid           |
| Identification ( $^1H$ -NMR)       |               | Consistent with structure |
| Identification (Mass Spectrometry) |               | Consistent with structure |
| Purity (TLC)                       |               | 95%                       |
| Atmosphere                         |               | Inert gas                 |
| Melting Point                      |               | 174 - 179 °C              |
| Solubility                         |               | DMSO, Methanol            |
| Carbon Content                     | 38.78%        | 36.64%                    |
| Chloride                           |               | 12.41%                    |
| Hydrogen Content                   | 3.25%         | 3.26%                     |
| Nitrogen Content                   | 21.42%        | 19.79%                    |

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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