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## Certificate of Analysis

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Product Name: 5-Chloro-1,10-phenanthroline  
Cat. No.: GC11409  
Batch No.: 1  
Chemical Name: 5-chloro-1,10-phenanthroline

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 4199-89-7  
Molecular Formula:  $C_{12}H_7ClN_2$   
Molecular Weight: 214.65  
Storage: Store at room temperature  
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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