



*The Power to Question*

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-214290A  
Lot Number: SAMPLE  
Product Name: 4,7-Dihydroxy-1,10-phenanthroline  
CAS Number: 3922-40-5  
Molecular Formula:  $C_{12}H_8N_2O_2$   
Molecular Weight: 212.21

Test	Specification	Result
Appearance	Grey to brown to green powder or chunks	Brown powder
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (HPLC)	Typically > 85%	84.7%
Carbon Content	$\geq 18.3\%$	62.6%
Nitrogen Content	$\geq 3.9\%$	11.8%

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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