



*The Power to Question*

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-223014  
Lot Number: SAMPLE  
Product Name: 1,4-Bis(3-aminopropyl)piperazine  
CAS Number: 7209-38-3  
Molecular Formula:  $C_{10}H_{24}N_4$   
Molecular Weight: 200.32

| Test                               | Specification             | Result   |
|------------------------------------|---------------------------|----------|
| Appearance                         | Colorless liquid          | Complies |
| Identification (Infrared Spectrum) | Consistent with structure | Complies |
| Purity (GC)                        | $\geq 99.0\%$             | 99.9%    |

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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