



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-255889  
Lot Number: SAMPLE  
Product Name: 1,10-Phenanthroline-d8  
CAS Number: 90412-47-8  
Molecular Formula:  $C_{12}D_8N_2$   
Molecular Weight: 188.25

| Test                    | Specification                        | Result           |
|-------------------------|--------------------------------------|------------------|
| Appearance              | White to light yellow to light beige | Off-white powder |
| Identification (1H-NMR) | Consistent with structure            | Complies         |
| Purity (1H-NMR)         | $\geq 98\%$ (ATOM % D)               | 99%              |
| Purity (GC)             | $\geq 98\%$                          | 99%              |
| Melting Point           |                                      | Complies         |
| Water Content (KF)      | $\leq 0.5\%$                         | 0.0%             |

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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