

## Certificate of Analysis

Date of Testing: 2024-12-18 10:26:28  
Date of Next Testing: 2026-12-08 10:26:28  
Product Name: **3-Bromo-1,10-phenanthroline**  
CAS Number: 66127-01-3  
Specifications & Purity:  $\geq 98\%$   
Lot #: L2413501  
SKU #: **B119918**  
Version: **0**  
Analysis #: **440346**

| Parameter            | Limit Values                                                 | Result                                                       |
|----------------------|--------------------------------------------------------------|--------------------------------------------------------------|
| Purity(HPLC)         | 98-100 (%)                                                   | 98.51900 %                                                   |
| Melting point        | 171-175 (°C)                                                 | 171.25000 °C                                                 |
| Appearance (B119918) | White to Light yellow to Brown to Dark red powder to crystal | White to Light yellow to Brown to Dark red powder to crystal |
| Proton NMR spectrum  | Conforms to Structure                                        | Conforms to Structure                                        |
| Solubility in MeOH   | almost transparency                                          | almost transparency                                          |



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