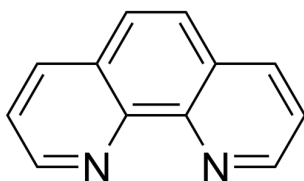


## Certificate of Analysis

### Compound Information

**Product Name:** o-Phenanthroline  
**Cat. No.:** 1039446  
**CAS No.:** 66-71-7  
**Molecular Formula:** C<sub>12</sub>H<sub>8</sub>N<sub>2</sub>  
**Molecular Weight:** 180.21  
**Chemical Structure:**



### Batch Information

**Batch No.:** La0519002  
**Storage:** RT, protect from light, stored under nitrogen  
**Test Date:** 2017-05-25  
**Retest Date:** 2022-05-24  
**Origin:** Shanghai, China

### QC Summary

**Appearance:** White to off-white (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**Purity (HPLC):** 98.43%  
**Conclusion:** The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

Tel: 400-821-0725

E-mail: [product@leyan.com](mailto:product@leyan.com)

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai