



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-213265  
Lot Number: SAMPLE  
Product Name: 1-(4-Hydroxyphenyl)piperidin-2-one  
CAS Number: 79557-03-2  
Molecular Formula:  $C_{11}H_{13}NO_2$   
Molecular Weight: 191.23  
Native Source: Synthetic

| Test                               | Specification | Result                               |
|------------------------------------|---------------|--------------------------------------|
| Appearance                         |               | Light beige solid                    |
| Identification (1H-NMR)            |               | Consistent with structure            |
| Identification (Mass Spectrometry) |               | Consistent with structure            |
| Purity (TLC)                       |               | 96%                                  |
| Atmosphere                         |               | Air                                  |
| Melting Point                      |               | > 195 °C (dec.)                      |
| Solubility                         |               | DMSO (slightly), Methanol (slightly) |
| Carbon Content                     | 69.09%        | 69.01%                               |
| Hydrogen Content                   | 6.85%         | 6.75%                                |
| Methanol                           |               | 1.3%                                 |
| Nitrogen Content                   | 7.32%         | 7.03%                                |

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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