

# Certificate of Analysis

## Compound Information

**Product Name:** ?-Estradiol  
**CAS No.:** 57-91-0  
**Cat. No.:** G5608633  
**Molecular Formula:** C<sub>18</sub>H<sub>24</sub>O<sub>2</sub>  
**Molecular Weight:** 272.39

## Batch Information

**Batch No.:** 4228442  
**Test Date:** 2023-01-16  
**Report Date:** 2023-01-17  
**Retest Date:** 2028-07-13  
**Storage:** Store in a cool, dry area.  
**Origin:** China

## Test Item

Test	Specification	Result
Purity	98%+(GC)	99.95%
NMR	Consistent with structure	Consistent with structure
Optical Rotation	31.6	31.71

## Conclusion

The product has been tested and complies with the given specifications.

## Signature

Reviewed by :



Reviewed by:



Approved by:

