

# Certificate of Analysis

## Compound Information

**Product Name:** Boc-L-Pyroglutamic Acid Ethyl Ester  
**CAS No.:** 144978-12-1  
**Cat. No.:** G3365138  
**Molecular Formula:** C<sub>12</sub>H<sub>19</sub>NO<sub>5</sub>  
**Molecular Weight:** 257.28

## Batch Information

**Batch No.:** 4801372  
**Test Date:** 2023-08-06  
**Report Date:** 2023-08-07  
**Retest Date:** 2029-01-31  
**Storage:** Store in a cool, dry area.  
**Origin:** China

## Test Item

Test	Specification	Result
Purity	99%(GC-MS)	Conforms to specification
NMR	Consistent with structure	Consistent with structure
Optical Rotation	-42.0 to -46.0	-44.2

## Conclusion

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

## Signature

Reviewed by :



Reviewed by:



Approved by:

