



Certificate of analysis

Product name: 4-Morpholinecarbonyl chloride

Cas number: 15159-40-7

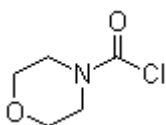
Molecular Formula: C₅H₈ClNO₂

Molecular Weight: 149.58

Date of production: Oct, 17, 2017

Batch NO: 20171017

EXP DATE: Oct, 17, 2019



Chemical structure:

| Items | Specifications | Results |
|----------------|-----------------------|---------|
| Description | Colorless oily liquid | Conform |
| Identification | NMR HPLC | Conform |
| Purity | ≥98 | 99.5% |

Conclusion: It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang

