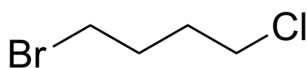


## Certificate of Analysis

### Compound Information

Product Name:	1-Bromo-4-chlorobutane
Cat. No.:	1040131
CAS No.:	6940-78-9
Molecular Formula:	C <sub>4</sub> H <sub>8</sub> BrCl
Molecular Weight:	171.46
Chemical Structure:	



### Batch Information

Batch No.:	L357984
Storage:	Store at room temperature
Test Date:	2024-02-26
Retest Date:	2029-02-25
Origin:	Shanghai, China

### QC Summary

QC Summary	Specification	Result
Appearance:	Colorless to light yellow (Liquid)	Colorless (Liquid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure	Consistent with structure
Purity (GC),%:	≥99.0	99.90
Water Content,%:	≤1.0	0.03
Other single impurity,%:	≤0.8	qualified
Structure Identification( <sup>1</sup> H NMR Spectrum):	Conforms to Structure	Conforms
1,4-dichlorobutane,%:	≤0.5	qualified
1,4-dibromobutane,%:	≤0.5	qualified
Conclusion:	The product has been tested and complies with the given specifications.	

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

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