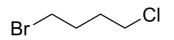




Certificate of Analysis

Compound Information

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



Batch Information

Batch No.:	Lf0907166824	
Storage:	Store at room temperature	
Test Date:	2022-09-08	
Retest Date:	2027-09-07	
Origin:	Shanghai, China	
QC Summary	Specification	Result
Appearance:	Colorless to light yellow (Liquid)	Colorless (Liquid)
¹ H NMR Spectrum:	Consistent with structure	Consistent with structure
Purity (GC),%:	≥99.0	99.89
Structure Identification(¹ H NMR	Conforms to Structure	Conforms to Structure
Spectrum):	Conforms to Structure	
Water Content,%:	≤1.0	0.08
1,4-dichlorobutane,%:	≤0.5	0.13
1,4-dibromobutane,%:	≤0.5	0.06
Other single impurity,%:	≤0.8	0.06
Conclusion:	The product has been tested and complies with the given specifications.	

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

Tel: 400-821-0725 E-mail: product@leyan.com Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai