



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-232507  
Lot Number: SAMPLE  
Product Name: 4-Bromobutylboronic acid  
CAS Number: 61632-72-2  
Molecular Formula:  $C_4H_{10}BBBrO_2$   
Molecular Weight: 180.84

Test	Specification	Result
Appearance	White to tan solid, powder, crystals	White powder
Identification ( $^1H$ -NMR)	Consistent with structure	Complies
Identification ( $^{13}C$ -NMR)	Consistent with structure	Complies
Identification ( $^{11}B$ -NMR)	Consistent with structure	Complies
Identification (Infrared Spectrum)	Consistent with structure	Complies
Purity (Titration)		100.0% (with $AgNO_3$ after $O_2$ combustion)
Purity (Titration)	$\geq 95.0\%$ (with NaOH)	101.4% (with NaOH)
Melting Point		73.5 - 82.2 °C
Carbon Content		26.22%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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