

## Certificate of Analysis

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Product Name: 4-Bromo-3,3,4,4-tetrafluoro-1-butene  
Cat. No.: GD03496  
Batch No.: 1  
Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 18599-22-9  
Molecular Formula: C<sub>4</sub>H<sub>3</sub>BrF<sub>4</sub>  
Molecular Weight: 206.97  
Storage:

Chemical Structure: BrCF2CF2CH=CH2

### ANALYTICAL DATA

Appearance: A solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >98.00%  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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