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**Certificate of Analysis**

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Product Name: Alendronate sodium  
Cat. No.: GC12004  
Batch No.: 1  
Chemical Name: sodium;(4-amino-1-hydroxy-1-phosphonobutyl)-hydroxyphosphate

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 129318-43-0  
Molecular Formula:  $C_4H_{12}NNaO_7P_2$   
Molecular Weight: 271.08  
Storage: Desiccate at -20°C  
Chemical Structure:

**ANALYTICAL DATA**

Appearance: solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >98%  
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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