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**Certificate of Analysis**

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Product Name: DL-AP5 Sodium salt  
Cat. No.: GC14897  
Batch No.: 1  
Chemical Name: sodium (S)-hydrogen(4-amino-4-carboxybutyl)phosphonate

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 1303993-72-7  
Molecular Formula:  $C_5H_{11}NNaO_5P$   
Molecular Weight: 219.11  
Storage: Desiccate at RT  
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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