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**Certificate of Analysis**

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Product Name: Boc-His(Z)-OH  
Cat. No.: GA10535  
Batch No.: 1  
Chemical Name: (2S)-2-[(2-methylpropan-2-yl)oxycarbonylamino]-3-(1-phenylmethoxycarbonylimidazol-4-yl)propanoic acid

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 50305-43-6  
Molecular Formula: C<sub>19</sub>H<sub>23</sub>N<sub>3</sub>O<sub>6</sub>  
Molecular Weight: 389.4  
Storage:  
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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