## **Certificate of Analysis**

## N-tert-Butoxycarbonyl-D-alanine

Cat. No.: HY-Y1164
CAS No.: 7764-95-6
Batch No.: 146828

Chemical Name: D-Alanine, N-[(1,1-dimethylethoxy)carbonyl]-

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_8H_{15}NO_4$ Molecular Weight: 189.21

Storage: Powder -20°C 3 years

4°C 2 years

In solvent -80°C 6 months

-20°C 1 month

**Chemical Structure:** 

$$\nearrow \circ \nearrow \overset{\mathsf{H}}{\nearrow} \overset{\circ}{\nearrow} \circ \mathsf{OH}$$

## **ANALYTICAL DATA**

Appearance: White to off-white (Solid)

<sup>1</sup> H NMR Spectrum: Consistent with structure

Purity (NMR): ≥98.0%
Water(KF): 0.95%

**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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