

CERTIFICATE OF ANALYSIS

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1. Identification

Catalogue Number: B690475 CAS Number: Number:

Synonym: tert-Butyl [(R)-1-(Methoxycarbonyl)-2-

Product: N-tert-Butoxycarbonyl-D-Serine Methyl Ester

hydroxyethyl]carbamate; (R)-Methyl 2-(tert-Butoxycarbonylamino)-3-hydroxypropanoate;

N-[(1,1-Dimethylethoxy)carbonyl]-D-serine

Methyl Ester;

95715-85-8

Structure: Molecular Formula:

C9H17NO5

Molecular weight:

219.23

Source of Product:

N/A

Solubility:

Chloroform (Sparingly), Methanol (Slightly)

Lot Number: 18-SCC-173-1 Purity: 95%

Shipping This Product Is Stable To Be Condition: Shipped At Room Temperature Storage Condition: 4°C

2. Warning

Warning 1: Warning 2: Warning 3:

3. Analytical Information

Tests: Specifications: Results:

Appearance Colourless to Pale Yellow Thick Oil Clear Colourless Thick Oil

NMR Conforms to Structure Conforms

Elemental Analysis Conforms %C: 49.73, %H: 8.28, %N: 6.39

GC Report Result 94.67%

MS Conforms to Structure Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of \pm 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed ByReviewed ByC of A Approved ByTest DateRetest DateEvan BurnsToni RantanenChanell Chu2/16/20222/14/2026

Fran Burns

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Chanel Cas