Chem-Impex International, Inc.

Tel: (630) 766-2112 E-mail: sales@chemimpex.com Shipping and Correspondence: 935 Dillon Drive Wood Dale, IL 60191 Fax: (630) 766-2218 Web site: www.chemimpex.com Manufacturing site: 825 Dillon Drive Wood Dale, IL 60191

Certificate of Analysis

| Catalogue Number Lot Number Product | 30497 000129-13011 1-(Boc-amino)-4,7,10-trioxa-13-tridecaneazide Boc-TOTA-N ₃ |
|---|--|
| CAS Number | 1162070-33-8 |
| Molecular Formula | $C_{15}H_{30}N_4O_5$ |
| Molecular Weight | 346.4 |
| Appearance | Colorless oil |
| ¹ H NMR | Conforms to structure |
| Purity by HPLC | 99.4% |
| Purity by TLC | > 99% |
| Storage | Store at 0-8 °C |
| Remarks | See material safety data sheet for additional information |
| | For laboratory use only |

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

litumer.

Bala Kumar Quality Control Manager