

# Chem-Impex International, Inc.

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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

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## Certificate of Analysis

|                          |   |
|--------------------------|---|
| <b>Catalogue Number</b>  | 30493   |
| <b>Lot Number</b>        | 000129-13013  |
| <b>Product</b>           | <b>N<sup>α</sup>-1-(4,4-Dimethyl-2,6-dioxocyclohex-1-ylidene)ethyl--N<sup>ε</sup>-Fmoc-D-lysine</b> |
|                          | Dde-D-Lys(Fmoc)-OH  |
| <b>CAS Number</b>        | 1301706-71-7  |
| <b>Molecular Formula</b> | C <sub>31</sub> H <sub>36</sub> N <sub>2</sub> O <sub>6</sub>                                       |
| <b>Molecular Weight</b>  | 532.6   |

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|---------------------------|--|
| <b>Appearance</b>         | White crystalline powder   |
| <b>Melting Point</b>      | 64 - 66 °C   |
| <b>Optical Rotation</b>   | [α] <sub>D</sub> <sup>20</sup> = +5.8° (C=1 in DMF)                                  |
| <b>Residual Solvents</b>  | Ethyl acetate, Dichloromethane, Hexane   |
| <b>Assay by titration</b> | 85.2%  |
| <b>Purity by HPLC</b>     | 99.1%  |
| <b>Purity by TLC</b>      | > 98%  |
| <b>Storage</b>            | Store at ≤ -4 °C   |
| <b>Remarks</b>            | See material safety data sheet for additional information<br>For laboratory use only |

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



**Bala Kumar**  
Quality Control Manager