## **CERTIFICATE OF ANALYSIS**

Product Name:

Fmoc-Lys(ipr,Boc)-OH

Lot No.:

GLS150928-36821

CAS No.:

201003-48-7

Store at:

Cool dry place(<-18°C)

Molecular Formula: C<sub>29</sub>H<sub>38</sub>N<sub>2</sub>O<sub>6</sub>

Molecular Weight:

510.62

Manufacturing Date: 2015-9-28

Retest Date:

2018-9-28

Melting Point:

107.9-123.8°C

Optical Rotation

 $-8.0^{\circ}$  (C=2 in DMF)

| Tests  | Specifications                       | Results  |
|--|--------------------------------------|----------|
| Appearance                                   | White powder                         | Complies |
| Purity(HPLC)                                 | ≥94%                                 | 99.34%   |
| Clarity of solution                          | 0.3 gram in 2ml DMF clear solution   | Complies |
| Water Content(K.F.)                          | ≤2.0%                                | 0.34%    |
| Loss on drying                               | $\leq 2.0\% (60^{\circ}\text{C,2h})$ | 0.32%    |
| IR Spectrum                                  | In accordance with the standard      | Complies |
| Mass Spectrum                                | In accordance with the standard      | Complies |
| NMR Spectrum In accordance with the standard |                                      | Complies |

GL Biochem warrants material of said quality at the time of sale. It is the sole responsibility of the customers to determine the adequacy of all materials for any intended or specific purpose or use. GL's sole obligation is to replace the material up to the extent of the purchase price. This warranty applies only to products in original packaging and does not apply to a product which has been tampered with or altered in any way or which has been misused or damaged by accident or negligence. All claims must be received in writing (by fax or email) within 30 days from date when product arrive at the destination city and fa constitute a waiver by customers for any and all such claims.

| Prepared | and | Chec | ked | by: |
|----------|-----|------|-----|-----|
|          |     |      |     |     |

| Lu Yan ( | (QA/QC) |  |
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|          |         |  |

Should you have any question or request about GLB's products and service, please feel free to contact: