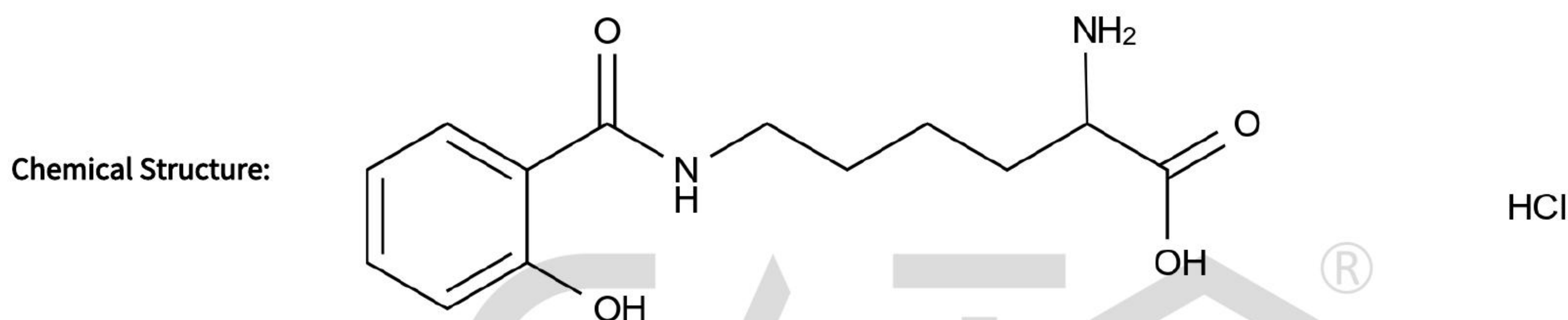


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                                   |                   |                                           |
|--------------------|-------------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | DL-Lysine EP Impurity J                                           | Catalogue Number: | C4X-221129                                |
| Synonyms:          | N/A                                                               | Lot Number:       | 0927-RF-0050                              |
| CAS Number:        | N/A                                                               | Expiry Date:      | Nov 30, 2026                              |
| Molecular Formula: | C <sub>13</sub> H <sub>18</sub> N <sub>2</sub> O <sub>4</sub> HCl | Storage:          | -20°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 266.29 36.46                                                      |                   |                                           |



| Test Items     | Method            | Results     |
|----------------|-------------------|-------------|
| Appearance     | Visual inspection | White Solid |
| Identification | LCMS&HNMR         | Confirmed   |
| Purity         | HPLC              | 99.9%       |
| Assay          | qNMR              | 98.3%       |

## Comment:

Assay was determined by quantitative <sup>1</sup>H-NMR.

## Signature:

Prepared by:

*Lily*

Reviewed by:

*Hinlam*

Approved by General Manager:

*David*

Date: Sep 29, 2024

Date: Sep 29, 2024

Date: Sep 29, 2024

