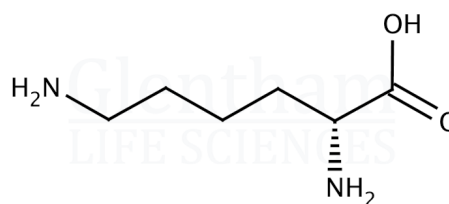


## Certificate of Analysis

|                |              |
|----------------|--------------|
| Product Name   | D-Lysine     |
| Glenthams Code | GM3691       |
| CAS Number     | 923-27-3     |
| EINECS         | 213-091-9    |
| MDL Number     | MFCD00008234 |
| PubChem SID    | 310275921    |
| Batch Number   | 071ROH       |

|                   |                                                              |
|-------------------|--------------------------------------------------------------|
| Molecular Weight  | 146.19                                                       |
| Molecular Formula | C <sub>6</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub> |
| Storage Temp.     | -20°C                                                        |



| Property                                                    | Specification                                     | Batch 071ROH |
|-------------------------------------------------------------|---------------------------------------------------|--------------|
| Physical Description                                        | White to off-white or pale tan powder or crystals | Cream solid  |
| Specific Optical Rotation ([α] <sub>D</sub> <sup>20</sup> ) | -12.0 - -16.0 ° (c=1, water)                      | -13.9 °      |
| Purity                                                      | ≥ 95%                                             | 95%          |

|                       |            |
|-----------------------|------------|
| Specification Version | v1.0       |
| Manufacture Date      | 2016-06-04 |
| Re-Test Date          | 2027-03-25 |

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glenthams.com](http://www.glenthams.com) or contact us using the details above for the current version of this document.

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