

# SPECIFICATION

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Product Code 82065-0410  
Commodity L(+)-Lysine monohydrochloride  
Grade Guaranteed Reagent  
Q'ty 25g

| [Test Item]                         | [Standard]    | CASNo.657-27-2 |
|-------------------------------------|---------------|----------------|
| ASSAY                               | min. 99.0 %   |                |
| Solubility in water                 | To pass test  |                |
| Specific rotation $[\alpha]_D^{20}$ | +20.5~+21.5 ° |                |
| Loss on drying                      | max. 0.5 %    |                |
| Ignition residue (as sulfates)      | max. 0.05 %   |                |
| Sulfate (SO <sub>4</sub> )          | max. 0.01 %   |                |
| Heavy metals (as Pb)                | max. 0.001 %  |                |
| Arsenic (As)                        | max. 1 ppm    |                |
| Iron (Fe)                           | max. 0.001 %  |                |
| Ammonium (NH <sub>4</sub> )         | max. 0.02 %   |                |
| Foreign amino acid                  | To pass test  |                |