

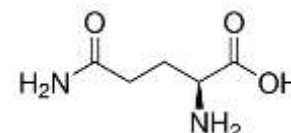


# Product Specification

cdhfinechemical.com

## L-GLUTAMINE FOR BIOCHEMISTRY

|                                    |  |
|------------------------------------|--|
| <b>PRODUCT CODE</b>                | <b>105395</b>  |
| <b>SYNONYMS</b>                    | --   |
| <b>C.I. NO.</b>                    | --   |
| <b>CASR NO.</b>                    | <b>56-85-9</b>   |
| <b>ATOMIC OR MOLECULAR FORMULA</b> | <b>C<sub>5</sub>H<sub>10</sub>N<sub>2</sub>O<sub>3</sub></b> |
| <b>ATOMIC OR MOLECULAR WEIGHT</b>  | <b>146.15</b>  |
| <b>PROPERTIES</b>                  | --   |



| <b>PARAMETER</b> | <b>LIMIT</b> |
|------------------|--------------|
|------------------|--------------|

|   |   |
|---|---|
| Description                                       | White crystalline powder.                     |
| Solubility  | 4% solution in water is clear and colourless. |
| Minimum assay (Non aqueous, dried)                | 99.0%   |
| Specific rotation $[\alpha]_D^{20}$ (C=2,5 N HCl) | +31.5° to +32.5°                              |

### MAXIMUM LIMIT OF IMPURITIES

|                         |        |
|-------------------------|--------|
| Loss on drying at 110°C | 0.5%   |
| Sulphated ash           | 0.1%   |
| Iron (Fe)               | 0.001% |
| Lead (Pb)               | 0.001% |

**Note(s) : Assay (if applicable) method mentioned.**

#### WARNING

**Hazard statements:** Not hazardous. No hazards.

#### Precautionary statements

**Prevention:** -----

**Response:** -----

**Disposal:**-----

IMDG Code : --

UN No. : --

IATA : --

**Hazard Pictogram(s) :-**

Replace date 28-May-2023