

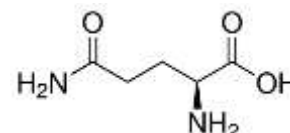


# Product Specification

cdhfinechemical.com

## L-GLUTAMINE FOR BIOCHEMISTRY

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



| PARAMETER | LIMIT |
|-----------|-------|
|-----------|-------|

|                                                   |                                                 |
|---------------------------------------------------|-------------------------------------------------|
| Description                                       | White crystalline powder.                       |
| Solubility                                        | 4% solution in water is clear to slightly hazy. |
| 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 1-Sep-2025