

## Technical data sheet

### L-Glutamine

is a non-essential amino acid

<b>Cat. Nr.:</b>	AC-AS-0005	100 g	<b>Molecular weight:</b>	146,15 g/mol
	AC-AS-0006	500 g	<b>CAS number:</b>	56-85-9
	AC-AS-0007	1000g	<b>Chemical formula:</b>	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O <sub>3</sub>

Physical Property	Value	Units	Temp (°C)
Melting Point	185.5	°C	
pKa Dissociation Constant	2.17	(none)	
Water Solubility	4.13E+04	mg/L	25

**Storage Conditions:** Room temperature

**Shelf life:** 24 Months

Tests	General Specifications
Description	White crystalline powder
Assay	≥ 99.0%
α20°C/D; 10 %, 7 % HCl	+31.5° - +33.0°
Arsenic	≤ 0.0001 %
Chloride	≤ 0.02 %
Sulfate	≤ 0.02 %
Pb	≤ 0.001 %
Iron	≤ 0.001 %

#### Recommended use :

- Respect storage conditions of the product
  - Do not use the product after its expiry date
  - Store the product in a dry area
  - Wear clothes adapted to the manipulation of the product to avoid contamination (gloves, mask, hygiene cap, overall,...)
  - Protect the product from any form of humidity
  - Use, in one time, after opening, the entire quantity of the product of the container.
- If it is not possible, close the container immediately after sampling the quantity of powder required.

*The product is intended to be used in vitro, in laboratory only.*

*Do not use it in therapy, human or veterinary applications.*