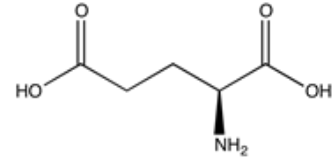


**Identification**

$C_5H_9NO_4$   
M = 147,13 g/mol  
CAS [56-86-0]  
EC number: 200-293-7  
Taric code: 2922 42 00

**Synonyms**

L- $\alpha$ -Aminoglutaric acid, (S)-2-Aminopentanedioic acid

**Applications**

in biochemistry, in food industry, in pharma industry.

**Specifications**

assay (acidimetric, referred to dried sample).....	98,5 - 100,5 %	chlorides (Cl).....	max. 200 ppm
Identification IR.....	passes test	sulfates (SO <sub>4</sub> ).....	max. 300 ppm
Identification C (EP).....	passes test	ammonium (NH <sub>4</sub> ).....	max. 200 ppm
Identification D (EP).....	passes test	iron (Fe).....	max. 10 ppm
appearance of solution.....	clear and colourless	ninhydrin-positive substances.....	passes test
specific rotation ( $[\alpha]_{20}^{D}$ , c = 10, HCl 1M, on dried sample)+	30,5 ° - +	residue on ignition.....	max. 0,1 %
32,5 °		loss on drying (105 °C).....	max. 0,5 %

**Physical data**

- Appearance: lumpy powder, white
- Spec. Density: 1,54 g/cm<sup>3</sup>
- Bulk density: 460 kg/m<sup>3</sup>
- Solub. in water: (25 °C): ~ 11,1 g/l
- Melting point: 160 °C
- pH(5 g/l H<sub>2</sub>O, 20 °C) 3,0 - 3,5

**Transport/storage**

- 5°C - 30°C