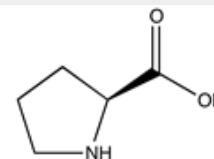


**Identification**

$C_5H_9NO_2$   
 M = 115,13 g/mol  
 CAS [147-85-3]  
 EC number: 205-702-2  
 Taric code: 2933 99 90


**Synonyms**

2-Pyrrolidine carboxylic acid

**Applications**

in biochemistry, chromatography, synthesis of organic products, in pharma industry.

**Specifications**

assay (titration with $HClO_4$ , on dried sample) .....	98,5 - 101,0 %	Related substances:passes test
Identification IR.....	passes test	Related substances:
Identification TLC.....	passes test	individual impurity .....
appearance of solution.....	clear and colourless	total .....
specific rotation ( $[\alpha]_{20}^{D}$ , c = 4, $H_2O$ ).....	- 84,3 ° - - 86,0 °	ninhydrin-positive substances.....
chlorides (Cl).....	max. 200 ppm	any ninhydrin-positive substances.....
sulfates ( $SO_4$ ).....	max. 300 ppm	total .....
ammonium ( $NH_4$ ).....	max. 0,02 %	residue on ignition.....
iron (Fe).....	max. 10 ppm	loss on drying (105 °C).....
		loss on drying (105 °C, 3 h).....

**Physical data**

- Appearance: Crystalline powder, White
- Spec. Density: (25 °C) 1,35 - 1,38 g/cm<sup>3</sup>
- Bulk density: ~ 500 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 1500 g/l
- Melting point: 220 - 222 °C
- pH(100 g/l  $H_2O$ , 20 °C) ~ 5 - 7

**Transport/storage**

- 5°C - 30°C