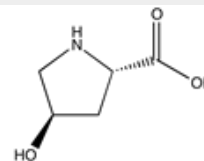


## 4-Hydroxy-L-proline, EssentQ®

**Identification**

C<sub>5</sub>H<sub>9</sub>NO<sub>3</sub>  
M = 131,13 g/mol  
CAS [51-35-4]  
EC number: 200-091-9  
Taric code: 2933 99 90

**Synonyms**

L(-)-4-Hydroxypyrrolidine-2-carboxylic acid

**Applications**

synthesis of organic products, laboratory reagent.

**Specifications**

assay (titr. with HClO <sub>4</sub> ) .....	min. 99 %	ammonium (NH <sub>4</sub> ).....	max. 0,02 %
identity (IR-spectrum).....	passes test	heavy metals (as Pb).....	max 0,001 %
specific rotation ([α] <sub>20</sub> <sup>D</sup> /D, c = 5, H <sub>2</sub> O)- 74 - - 77 °		iron (Fe).....	max 0,001 %
chlorides (Cl).....	max. 0,02 %	other aminoacids.....	max. 0 5 %
sulfates (SO <sub>4</sub> ).....	max. 0,02 %	residue on ignition.....	max. 0,1 %
		loss on drying (105 °C, 3 h).....	max. 0,2 %

**Physical data**

- Appearance: crystals, bright white
- Bulk density: ~ 610 kg/m<sup>3</sup>
- Solub. in water: (20 °C): 500 g/l
- Melting point: 274 °C
- pH(50 g/l H<sub>2</sub>O, 20 °C) ~ 5,5 - 6,5

**Transport/storage**

- 5°C - 30°C