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## L-Proline

**RM061**

### Product Identifier

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CAS No.	:	147-85-3
EC No.	:	205-702-2
Molecular Formula	:	C <sub>5</sub> H <sub>9</sub> NO <sub>2</sub>
Molecular Weight	:	115.13
Synonym	:	(S)-Pyrrolidine-2-carboxylic acid
HS Code	:	2933 99 90
Storage	:	Below 30°C
Shelf life	:	4 years

### Technical Specification

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Appearance	:	White or almost white solid or crystals or powder
Solubility	:	1000 mg soluble in 1 mL of water
pH (10% in water at 25°C)	:	5.90 - 6.90
FTIR	:	Matches with the standard pattern
Specific rotation	:	-86.30° to -84.30° (c = 4% in water at 25°C)
Chloride (Cl)	:	<= 0.05%
Heavy metals (as Pb)	:	<= 0.0015%
Iron (Fe)	:	<= 0.003%
Sulfate (SO <sub>4</sub> )	:	<= 0.03%
Residue on ignition	:	<= 0.40%
Loss on drying (at 105°C, 3 hr)	:	<= 0.40%
Assay (NT, on dry basis)	:	99.00 - 101.50%

### Safety Information

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UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	TW3584000
WGK	:	1