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## Product Specification

Product Name:

L-Proline - from non-animal source, meets EP, USP testing specifications, suitable for cell culture

Product Number:

P5607

CAS Number:

147-85-3

MDL:

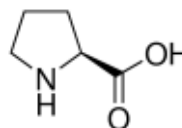
MFCD00064318

Formula:

C<sub>5</sub>H<sub>9</sub>NO<sub>2</sub>

Formula Weight:

115.13 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Powder
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
1.0 G to 10 mL, H <sub>2</sub> O	
Endotoxin Level	≤ 1.0 EU/mg
Cell Culture Test	Pass
Origin	Pass
Must be non-animal source	
Identity by IR	Conforms to Structure
Specific Rotation	-86.0 - -84.0 °
EP: 20 deg C, C = 4 in H <sub>2</sub> O	
Specific Rotation	-86.3 - -84.3 °
USP: 25 deg C, C = 4 in H <sub>2</sub> O	
Chloride Content	≤ 0.020%
Ammonium	≤ 0.02%
Sulfate	≤ 0.020%
Iron (Fe)	≤ 10 ppm
Loss on Drying	≤ 0.30 %
Residue on ignition (Ash)	≤ 0.10 %
Ninhydrin-Positive Substances	Conforms
(Other Amino Acids)	
pH	5.9 - 6.9
(10% in H <sub>2</sub> O)	
Assay (Dry Basis)	98.5 - 101.0 %

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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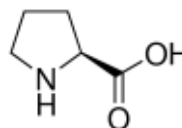
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**TEST****Specification**

Note

Meets USP and EP testing specifications

Residual Solvents

Meets Requirements

Recommended Retest Period

2 years

Specification: PRD.2.ZQ5.10000027239

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