

3050 Spruce Street, Saint Louis, MO 63103, USA

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## Product Specification

Product Name:

trans-4-Hydroxy-L-proline - BioReagent, suitable for cell culture, ≥98.5%

Product Number:

H5534

CAS Number:

51-35-4

MDL:

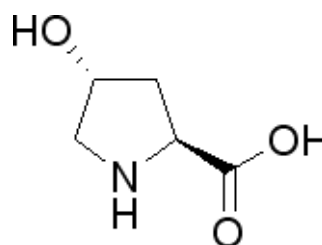
MFCD00064320

Formula:

C<sub>5</sub>H<sub>9</sub>NO<sub>3</sub>

Formula Weight:

131.13 g/mol



### TEST

### Specification

Appearance	Conforms
White Crystalline Powder	
Specific Rotation	-77.0 - -74.0 °
C = 1 in H <sub>2</sub> O, at 20 deg C.	
Chloride (Cl)	Pass
< /= 0.02%	
Ammonium	Pass
< /= 0.02%	
Sulfate	Pass
< /= 0.03%	
Iron (Fe)	Pass
< /= 10 ppm	
Heavy Metals	< = 10 ppm
Arsenic (As)	Pass
< /= 1 ppm	
Loss on Drying	≤ 0.5 %
Residue on ignition (Ash)	≤ 0.1 %
Ninhydrin-Positive Substances	Conforms
Assay	98.5 - 101.5 %
Dry Basis	
Solubility (Color)	Colorless
Solubility (Turbidity)	Clear
50 mg/mL, Water	
Identity by IR	Conforms to Structure
Endotoxin Assay	≤ 1 EU/mg

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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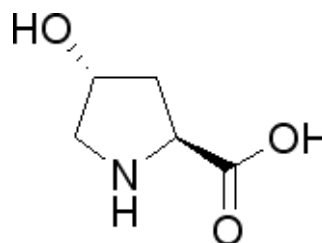
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**TEST****Specification**

Cell Culture Test

Pass

Expiration Date Period

36 months

Specification: PRD.0.ZQ5.10000019152

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