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## Product Specification

Product Name:  
(S)-(-)-Trifluorolactic acid - 98%

**Product Number:** 532509  
**CAS Number:** 125995-00-8  
**MDL:** MFCD04037238  
**Formula:** C<sub>3</sub>H<sub>3</sub>F<sub>3</sub>O<sub>3</sub>  
**Formula Weight:** 144.05 g/mol

TEST	Specification
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Appearance (Color)	White to Faint Beige
Appearance (Form)	Powder or Crystal or Chunk(s)
Infrared spectrum	Conforms to Structure
Optical Rotation	-48.0 - -40.0 deg
c = 1.0%; Chloroform	
Purity (Titration by NaOH)	97.5 - 102.5 %
GC (area %)	≥ 97.5 %

Specification: PRD.1.ZQ5.10000068086

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.