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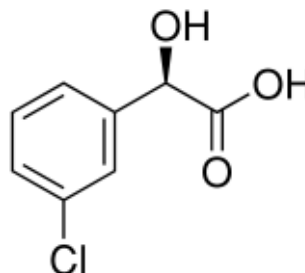
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

(R)-(-)-3-Chloromandelic acid - 97%

Product Number: 445444
Lot Number: MKBJ8617
Brand: ALDRICH
CAS Number: 61008-98-8
MDL Number: MFCD04038807
Formula: C₈H₇ClO₃
Formula Weight: 186.6 AMU
Quality Release Date: 01 FEB 2012



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Crystals
Infrared spectrum	Conforms to Structure	Conforms
Optical Rotation c = 3%, H ₂ O	-132.0 - -124.0 deg	-129.8 deg
Purity (Titration by NaOH)	96.5 - 103.5 %	99.6 %
GC (area %)	≥ 96.5 %	99.4 %

Jamie Gleason, Manager
Quality Control
Milwaukee, Wisconsin US

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. 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.