

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

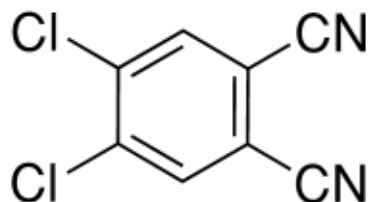
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

4,5-Dichlorophthalonitrile - 99%

Product Number: 422649
Lot Number: MKBJ0271V
Brand: ALDRICH
CAS Number: 139152-08-2
MDL Number: MFCD00191408
Formula: C₈H₂Cl₂N₂
Formula Weight: 197.02 g/mol
Quality Release Date: 27 MAR 2012



Test	Specification	Result
Appearance (Color)	White to Off-White	White
Appearance (Form)	Powder or Crystals	Crystals
Infrared spectrum	Conforms to Structure	Conforms
Titration by AgNO ₃	98.5 - 101.5 %	98.5 %
Purity (GC)	≥ 98.5 %	99.7 %

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.