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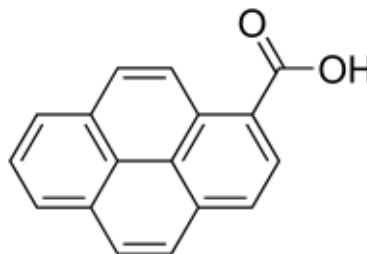
Outside USA: eurtechserv@sial.com

## Certificate of Analysis

Product Name:

1-Pyrenecarboxylic acid - 97%

**Product Number:** 391581  
**Batch Number:** MKBP3630V  
**Brand:** ALDRICH  
**CAS Number:** 19694-02-1  
**MDL Number:** MFCD00192424  
**Formula:** C17H10O2  
**Formula Weight:** 246.26 g/mol  
**Quality Release Date:** 15 MAY 2013



Test	Specification	Result
Appearance (Color) Yellow to Green to Tan	Conforms to Requirements	Yellow
Appearance (Form)	Powder or Crystals	Powder
Infrared spectrum	Conforms to Structure	Conforms
Carbon	80.0 - 85.9 %	82.9 %
Purity (HPLC)	≥ 96.5 %	98.9 %

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.