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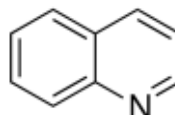
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Quinoline - ≥97%

Product Number: W347000
Batch Number: MKBV7834V
Brand: ALDRICH
CAS Number: 91-22-5
MDL Number: MFCD00006736
Formula: C₉H₇N
Formula Weight: 129.16 g/mol
Quality Release Date: 09 JUN 2015
Expiration Date: MAY 2020



Test	Specification	Result
Appearance (Color)	Colorless to Light Yellow and Colorless to Light Brown-Yellow and Colorless to Light Brown	Colorless
Appearance (Form)	Liquid	Liquid
Infrared Spectrum	Conforms to Structure	Conforms
Refractive index at 20 °C	1.620 - 1.630	1.627
Purity (GC)	≥ 97.0 %	97.8 %
Arsenic (As)	≤ 3.0 ppm	< 1.0 ppm
Cadmium (Cd)	≤ 1.0 ppm	< 1.0 ppm
Mercury (Hg)	≤ 1.0 ppm	< 1.0 ppm
Lead (Pb)	≤ 10.0 ppm	< 1.0 ppm
Expiration Date Period	-----	-----
5 Years		

Ali Ataei, Manager
 Quality Control
 Milwaukee, WI 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.