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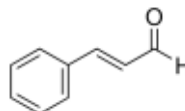
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Cinnamaldehyde - natural, ≥95%, FG

Product Number: W228613
Batch Number: MKCB9907
Brand: ALDRICH
CAS Number: 104-55-2
MDL Number: MFCD00007000
Formula: C9H8O
Formula Weight: 132.16 g/mol
Quality Release Date: 08 DEC 2016
Expiration Date: NOV 2021



Test	Specification	Result
Appearance (Color)	Colorless to Yellow	Colorless
Appearance (Form)	Liquid	Liquid
Refractive index at 20 °C	1.614 - 1.623	1.622
Infrared Spectrum	Conforms to Structure	Conforms
Purity (GC)	≥ 95.0 %	99.1 %
Specific Gravity	1.046 - 1.052	1.048
Acid Value	≤ 5.0 ml	1.5 ml
Arsenic (As)	≤ 3 ppm	< 1 ppm
Cadmium (Cd)	≤ 1 ppm	< 1 ppm
Mercury (Hg)	≤ 1 ppm	< 1 ppm
Lead (Pb)	≤ 10 ppm	< 1 ppm
Expiration Date Period	-----	-----
5 Years		

Michael Grady, 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.