

3050 Spruce Street, Saint Louis, MO 63103, USA

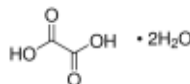
Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Oxalic acid dihydrate - ACS reagent, ≥99%

Product Number: 247537
Batch Number: MKCM3794
Brand: SIAL
CAS Number: 6153-56-6
MDL Number: MFCD00149102
Formula: C₂H₂O₄ · 2H₂O
Formula Weight: 126.07 g/mol
Quality Release Date: 24 APR 2020
Recommended Retest Date: APR 2025



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals or Granules	Crystals
Infrared Spectrum	Conforms to Structure	Conforms
Titration by KMNO ₄	99.5 - 102.5 %	100.6 %
Residue on ignition (Ash)	≤ 0.01 %	< 0.01 %
Insoluble Matter	≤ 0.005 %	< 0.005 %
C= 8%, H ₂ O		
Calcium (Ca)	≤ 0.001 %	< 0.001 %
Chloride Content	≤ 0.002 %	< 0.002 %
Substances Darkened (by H ₂ SO ₄)	Pass	Pass
Iron (Fe)	≤ 2 ppm	1 ppm
Heavy Metals	≤ 5 ppm	< 1 ppm
by ICP-OES		
Nitrogen Compounds	≤ 0.001 %	< 0.001 %
Sulfate (SO ₄)	≤ 0.005 %	< 0.005 %
Meets ACS Requirements	Current ACS Specification	Conforms
Recommended Retest Period	-----	-----
5 years		

Michael Grady, Manager
Quality Control

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.

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Product Number: 247537
Batch Number: MKCM3794

Milwaukee, WI US

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