

Certificate of Analysis

Product Name:

Sodium chlorate - ACS reagent, ≥99.0%



Product Number: 403016
Batch Number: MKCW2194
Brand: SIGALD
CAS Number: 7775-09-9
MDL Number: MFCD00003479
Formula: ClNaO3
Formula Weight: 106.44 g/mol
Quality Release Date: 27 JUN 2024

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Crystals	Crystals
Crystals or Powder		
X-Ray Diffraction	Conforms to Structure	Conforms
Assay	≥ 99.0 %	101.4 %
Insoluble Matter	≤ 0.005 %	< 0.005 %
Bromate	≤ 0.015 %	< 0.015 %
Chloride Content	≤ 0.005 %	< 0.005 %
Sulfate (SO ₄)	≤ 0.001 %	< 0.001 %
Heavy Metal	≤ 0.001 %	< 0.001 %
(as Pb)		
Iron (Fe)	≤ 5 ppm	< 5 ppm
Calcium (Ca)	≤ 0.002 %	< 0.002 %
Magnesium (Mg)	≤ 0.002 %	< 0.002 %
Potassium (K)	≤ 0.01 %	< 0.01 %
Meets ACS Requirements	Current ACS Specification	Conforms



Larry Coers, Director
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.

