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Product Specification

Product Name:
Potassium chlorate – ACS reagent, ≥99.0%

Product Number:	**255572**
CAS Number:	3811-04-9
MDL:	MFCD00011361
Formula:	ClKO3
Formula Weight:	122.55 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Conforms to Requirements
Crystals or Crystalline Powder	
ICP Major Analysis	Confirmed
Confirms Potassium Component	
Titration by Na2S2O3	≥ 99.0 %
Insoluble matter	≤ 0.005 %
c = 8%; H2O	
Bromate	≤ 0.015 %
Chloride Content	≤ 0.001 %
Sulfate	Pass
Heavy Metal	≤ 5 ppm
(by ICP)	
Iron (Fe)	≤ 3 ppm
Calcium (Ca)	≤ 0.002 %
Magnesium (Mg)	≤ 0.002 %
Sodium (Na)	≤ 0.01 %
Meets ACS Requirements	Current ACS Specification

Specification: PRD.2.ZQ5.10000036527

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.