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Product Specification

Product Name:

Lithium perchlorate – 99.99% trace metals basis

Product Number:

431567

CAS Number:

7791-03-9

MDL:

MFCD00011079

Formula:

CLiO₄

Formula Weight:

106.39 g/mol



TEST	Specification
Appearance (Color)	White
Appearance (Form)	Conforms to Requirements
Granules or Granular Powder and/or Chunks	
Titration by AgNO ₃	≥ 95.0 %
Insoluble Matter	≤ 0.005 %
c = 10%; Water	
Chloride Content	≤ 0.003 %
Sulfate	≤ 0.001 %
Heavy Metals	≤ 5 ppm
by ICP-OES	
Iron (Fe)	≤ 5 ppm
pH	6.0 - 7.5
At 25°C; c = 5%; Water	
Meets ACS Requirements	Current ACS Specification
ICP Major Analysis	Confirmed
Confirms Li Component	
Purity	Conforms
99.99% Based on Trace Metals Analysis	
Trace Metal Analysis	≤ 150.0 ppm

Specification: PRD.3.ZQ5.10000018359

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.