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## Product Specification

Product Name:  
Perchloric acid - ACS reagent, 60%

**Product Number:** 311413  
**CAS Number:** 7601-90-3  
**MDL:** MFCD00011325  
**Formula:** HClO<sub>4</sub>  
**Formula Weight:** 100.46 g/mol



TEST	Specification
Appearance (Color)	Colorless
Appearance (Form)	Liquid
Purity (Titration by NaOH)	60.0 - 62.0 %
Residue on ignition (Ash)	≤ 0.003 %
Color Test (APHA)	≤ 10 APHA
Chloride Content	≤ 0.001 %
Iron (Fe)	≤ 1 ppm
Heavy Metal (by ICP)	≤ 1 ppm
Sulfate	≤ 0.001 %
Nitrogen Compounds (as N)	≤ 0.001 %
Silicate and Phosphate (as SiO <sub>2</sub> )	≤ 5 ppm
Meets ACS Requirements	Current ACS Specification

Specification: PRD.3.ZQ5.10000015577

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](http://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.

