

Certificate of Analysis

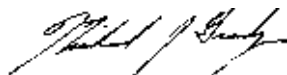
Product Name:

Perchloric acid – ACS reagent, 60%

Product Number: 311413
Batch Number: MKCM8083
Brand: SIGALD
CAS Number: 7601-90-3
MDL Number: MFCD00011325
Formula: HClO₄
Formula Weight: 100.46 g/mol
Quality Release Date: 10 JUL 2020



Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Purity (Titration by NaOH)	60.0 - 62.0 %	61.7 %
Residue on ignition (Ash)	≤ 0.003 %	< 0.003 %
Color Test	≤ 10 APHA	< 10 APHA
Chloride Content	≤ 0.001 %	< 0.001 %
Iron (Fe)	≤ 1 ppm	< 1 ppm
Heavy Metals (as Pb)	≤ 1 ppm	< 1 ppm
Nitrogen Compounds (as N)	≤ 0.001 %	< 0.001 %
Silicate and Phosphate (as SiO ₂)	≤ 5 ppm	< 5 ppm
Sulfate (SO ₄)	≤ 0.001 %	< 0.001 %
Meets ACS Requirements	Current ACS Specification	Conforms



Michael Grady, Manager
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.

