

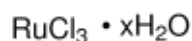
3050 Spruce Street, Saint Louis, MO 63103, USA

Website: [www.sigmaldrich.com](http://www.sigmaldrich.com)Email USA: [techserv@sial.com](mailto:techserv@sial.com)Outside USA: [eurtechserv@sial.com](mailto:eurtechserv@sial.com)

## Product Specification

Product Name:  
Ruthenium(III) chloride hydrate - 99.98% trace metals basis

**Product Number:** 463779  
**CAS Number:** 14898-67-0  
**MDL:** MFCD00149844  
**Formula:** Cl<sub>3</sub>Ru · xH<sub>2</sub>O  
**Formula Weight:** 207.43 g/mol



TEST	Specification
Appearance (Color)	Dark Grey to Black
Appearance (Form)	Conforms to Requirements
Powder or Crystalline Powder and/or Chunks	
Gravimetric Analysis (% Ru)	
Typically 40% - 50% Ru After Reduction With Magnesium	
ICP Major Analysis	Confirmed
Confirms Ru Component	
Purity	Meets Requirements
99.98% Based On Trace Metals Analysis	
Trace Metal Analysis	≤ 250.0 ppm

Specification: PRD.1.ZQ5.10000018432

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.