

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.com

Email USA: techserv@sial.com

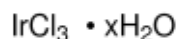
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:

Iridium(III) chloride hydrate - 99.9% trace metals basis

Product Number: 203491
Batch Number: MKCD4671
 Brand: ALDRICH
 CAS Number: 14996-61-3
 MDL Number: MFCD00149749
 Formula: IrCl₃ · xH₂O
 Formula Weight: 298.58 g/mol
 Quality Release Date: 12 JUL 2017



Test	Specification	Result
Appearance (Color)	Dark Green to Black	Black
Appearance (Form)	Conforms to Requirements	Chunk(s)
Crystals or Crystalline Powder and/or Chunks		
Gravimetric Analysis	46.3 - 57.0 %	48.9 %
% Ir After Reduction With Magnesium		
ICP Major Analysis	Conforms	Conforms
Confirms Ir Component		
Purity	Meets Requirements	Meets Requirements
99.9% Based on Trace Metals Impurities		
Trace Metal Analysis	≤ 2000.0 ppm	136.2 ppm
Arsenic (As)		47.7 ppm
Calcium (Ca)		3.2 ppm
Cadmium (Cd)		21.5 ppm
Cobalt (Co)		2.0 ppm
Iron (Fe)		2.2 ppm
Magnesium (Mg)		0.2 ppm
Molybdenum (Mo)		2.3 ppm
Sodium (Na)		2.9 ppm
Lead (Pb)		24.5 ppm
Palladium (Pd)		9.7 ppm
Tin (Sn)		19.2 ppm
Zinc (Zn)		0.9 ppm

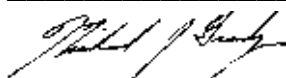
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser 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.

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigmaaldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Certificate of Analysis

Product Number: 203491
Batch Number: MKCD4671



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.