

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:

Zirconium(IV) bromide - anhydrous, 99.99% trace metals basis

Product Number: 751928
Batch Number: MKBK4096V
Brand: ALDRICH
CAS Number: 13777-25-8
Formula Weight: 410.86 g/mol
Quality Release Date: 10 OCT 2012



Test	Specification	Result
Appearance (Color)	White to Off White	Off-White
Appearance (Form)	Powder	Powder
ICP Major Analysis	Confirmed	Confirmed
Confirms Zirconium Component		
Trace Metal Analysis	≤ 200.0 ppm	57.6 ppm
Aluminum (Al)		1.1 ppm
Arsenic (As)		14.8 ppm
Boron (B)		0.1 ppm
Calcium (Ca)		0.2 ppm
Cerium (Ce)		0.2 ppm
Chromium (Cr)		0.3 ppm
Copper (Cu)		2.3 ppm
Iron (Fe)		5.2 ppm
Hafnium (Hf)		9.7 ppm
Lanthanum (La)		0.1 ppm
Lithium (Li)		1.4 ppm
Magnesium (Mg)		1.5 ppm
Sodium (Na)		2.2 ppm
Nickel (Ni)		4.6 ppm
Lead (Pb)		11.2 ppm
Antimony (Sb)		< 0.1 ppm
Samarium (Sm)		0.4 ppm
Tin (Sn)		< 0.4 ppm
Yttrium (Y)		1.8 ppm
Purity	Meets Requirements	Meets Requirements
99.99% Based On Trace Metals Analysis		

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.

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Jamie Gleason, Manager
Quality Control
Milwaukee, Wisconsin US

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