

Certificate of Analysis

Product Name : Palladium(II) nitrate solution 10 wt. % in 10 wt. % nitric acid, 99.999% trace metals basis
Product Number : 380040-VAR
Batch Number : 0000036727
Source Batch : 0000030751
Molecular Formula : N_2O_6Pd
Formula Weight : 230.43
Quality Release Date : 23 May 2018

Test	Specification	Result
Appearance (Color)	Conforms to Requirements	Brown
Yellow-Brown to Red-Brown to Brown		
Appearance (Form)	Liquid	Liquid
Gravimetric Analysis	4.0 - 5.0 %	4.4 %
% Pd; With Dimethylglyoxime		
Titration with NaOH	8.0 - 12.0 %	9.8 %
Purity (Titration by NaOH)		
Wt % HNO ₃		
ICP Major Analysis	Confirmed	Confirmed
Confirms Palladium Component		
Purity	Conforms	Conforms
99.999% Purity Based On Trace Metals Analysis		
Trace Metal Analysis	≤ 15.0 ppm	6.0 ppm
Cadmium (Cd)		0.2 ppm
Sodium (Na)		0.1 ppm
Nickel (Ni)		2.9 ppm
Platinum (Pt)		0.7 ppm
Titanium (Ti)		0.3 ppm
Zinc (Zn)		1.8 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. Purchase must determine the suitability of the product for its particular use. See reverse side of website or packing slip for additional terms and conditions of sale

3050 Spruce Street, Saint Louis, MO 63103, USA

Website: www.sigma-aldrich.comEmail USA: techserv@sial.comOutside USA: eurtechserv@sial.com

Product 380040-VAR
Batch 0000036727



Larry Coers, Manager

Site

Urbana, Illinois

US

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