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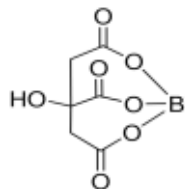
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Certificate of Analysis

Product Name:

Bismuth(III) citrate - 99.99% trace metals basis, -325 mesh

Product Number: 480746
Batch Number: MKCB3222V
Brand: ALDRICH
CAS Number: 813-93-4
MDL Number: MFCD00050817
Formula: C₆H₅BiO₇
Formula Weight: 398.08 g/mol
Quality Release Date: 28 SEP 2016



Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder	Powder
Complexometric EDTA % Bismuth	50.9 - 54.1 %	51.5 %
Size	≤ 45.0 micron	11.9 micron
ICP Major Analysis Confirms Bismuth Component	Confirmed	Confirmed
Purity 99.99% Based On Trace Metals Analysis	Meets Requirements	Meets Requirements
Trace Metal Analysis	≤ 150.0 ppm	106.8 ppm
Barium (Ba)		< 1.0 ppm
Calcium (Ca)		40.9 ppm
Iron (Fe)		0.4 ppm
Potassium (K)		19.7 ppm
Magnesium (Mg)		32.7 ppm
Sodium (Na)		12.9 ppm
Strontium (Sr)		0.3 ppm

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.