

# Certificate of Analysis

**Product Name :** Cesium bromide 99.999% trace metals basis  
**Product Number :** 203017-VAR  
**Batch Number :** 0000062081  
Source Batch : 0000018556  
CAS Number : 7787-69-1  
Molecular Formula : BrCs  
Formula Weight : 212.81  
Quality Release Date : 13 Oct 2017

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Conforms to Requirements	Powder
Powder, Crystals and/or Chunks		
Titration with AgNO <sub>3</sub>	36.8 - 38.3 %	37.4 %
Titration by AgNO <sub>3</sub>		
% Br		
ICP Major Analysis	Confirmed	Confirmed
Confirms Cesium Component		
Purity	Meets Requirements	Meets Requirements
99.999% Based On Trace Metals Analysis		
Trace Metal Analysis	≤ 15.0 ppm	2.0 ppm
Arsenic (As)		0.5 ppm
Boron (B)		0.1 ppm
Bismuth (Bi)		0.7 ppm
Iron (Fe)		0.3 ppm
Rubidium (Rb)		0.2 ppm
Vanadium (V)		0.2 ppm

*Niraj K. Singh*

Niraj K. Singh, Manager

Site

Urbana, Illinois

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](http://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

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