

Certificate of Analysis

Product Name:

Cesium triiodide - ≥99.9%

Product Number: 483338
Batch Number: MKBQ1252V
 Brand: ALDRICH
 CAS Number: 12297-72-2
 MDL Number: MFCD00016053
 Formula: CsI₃
 Formula Weight: 513.62 g/mol
 Quality Release Date: 13 SEP 2013

CsI₃

Test	Specification	Result
Appearance (Color)	Very Dark Brown to Black	Black
Appearance (Form)	Powder or Crystals	Powder
ICP Major Analysis	Confirmed	Conforms
Confirms Cesium Component		
Miscellaneous Assay	25.2 - 26.5 %	26.1 %
% Cs		
Trace Metal Analysis	≤ 1000.0 ppm	< 1000.0 ppm
Aluminum (Al)		1.9 ppm
Barium (Ba)		0.1 ppm
Iron (Fe)		2.9 ppm
Magnesium (Mg)		0.6 ppm
Manganese (Mn)		0.2 ppm
Antimony (Sb)		6.1 ppm
Zinc (Zn)		0.2 ppm
Atomic Absorption	≤ 1000.0 ppm	< 1000.0 ppm
Lithium (Li)		0.2 ppm
Sodium (Na)		9.6 ppm
Potassium (K)		1.8 ppm
Rubidium (Rb)		2.6 ppm
Purity	Meets Requirements	Meets Requirements
≥99.9% Based On Trace Metals Analysis of ICP and AA combined		

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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