

## Certificate of Analysis

Product Name:

Gold(I) iodide - 99.9% trace metals basis

**Product Number:** 398411  
**Batch Number:** MKCD3850  
**Brand:** ALDRICH  
**CAS Number:** 10294-31-2  
**MDL Number:** MFCD00014175  
**Formula:** AuI  
**Formula Weight:** 323.87 g/mol  
**Quality Release Date:** 19 JUN 2017

# AuI

Test	Specification	Result
Appearance (Color)	Faint Yellow to Very Dark Yellow and Faint Beige to Beige and Faint Brown to Brown and Yellow-Beige and Yellow-Brown and Yellow-Green	Very Dark Yellow
Appearance (Form)	Powder	Powder
X-Ray Diffraction	Conforms to Structure	Conforms
Gravimetric Analysis % Au (After Reduction With Sulfite)	59.9 - 62.3 %	60.0 %
ICP Major Analysis Confirms Au Component	Confirmed	Confirmed
Purity 99.9% Based on Trace Metal Analysis	Meets Requirements	Meets Requirements
Trace Metal Analysis	≤ 1500.0 ppm	47.7 ppm
Silver (Ag)		11.1 ppm
Aluminum (Al)		2.3 ppm
Calcium (Ca)		12.0 ppm
Chromium (Cr)		4.6 ppm
Iron (Fe)		7.4 ppm
Lithium (Li)		0.9 ppm
Magnesium (Mg)		0.5 ppm
Sodium (Na)		1.2 ppm
Palladium (Pd)		5.3 ppm
Zinc (Zn)		2.2 ppm

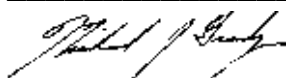
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser 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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**Batch Number:** MKCD3850



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Milwaukee, WI US

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