

3050 Spruce Street, Saint Louis, MO 63103, USA

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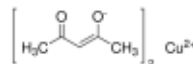
Outside USA: eurtechserv@sial.com

## Certificate of Analysis

Product Name:

Copper(II) acetylacetonate - ≥99.99% trace metals basis

**Product Number:** 514365  
**Batch Number:** MKBT1031V  
**Brand:** ALDRICH  
**CAS Number:** 13395-16-9  
**MDL Number:** MFCD00000016  
**Formula:** C<sub>10</sub>H<sub>14</sub>CuO<sub>4</sub>  
**Formula Weight:** 261.76 g/mol  
**Quality Release Date:** 24 OCT 2014



Test	Specification	Result
Appearance (Color)	Blue	Dark Blue
Appearance (Form)	Powder	Powder
Infrared Spectrum	Conforms to Structure	Conforms
Complexometric EDTA % Copper	23.4 - 25.1 %	24.0 %
ICP Major Analysis Confirms Copper Component	Confirmed	Conforms
Purity > = 99.99% Based on Trace Metal Analysis	Meets Requirements	Meets Requirements
Trace Metal Analysis	≤ 100.0 ppm	20.1 ppm
Silver (Ag)		2.3 ppm
Arsenic (As)		2.4 ppm
Barium (Ba)		< 0.1 ppm
Calcium (Ca)		2.2 ppm
Cadmium (Cd)		0.2 ppm
Iron (Fe)		1.5 ppm
Magnesium (Mg)		0.6 ppm
Sodium (Na)		2.1 ppm
Lead (Pb)		2.3 ppm
Tin (Sn)		5.2 ppm
Titanium (Ti)		0.4 ppm
Zirconium (Zr)		0.8 ppm

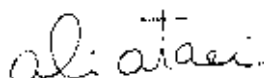
Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser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