

## Certificate of Analysis

Date of Testing: 2023-06-16 13:00:23  
Date of Next Testing: 2027-06-15 13:00:23  
Product Name: **Cobalt(II) acetylacetonate hydrate**  
CAS Number: 123334-29-2  
Specifications & Purity: >98.0%  
Lot #: F2307102  
SKU #: **C140817**  
Analysis: **016988**

Parameter	Limit Values	Result
Carbon by Elemental Analysis	39-44 (%)	41.10 %
Water by Karl Fischer	4-15 (%)	13.48 %
Purity(Chelometric Titration)	98-102 (%)	99.19 %
Appearance (C140817)	Dark Peach to Maroon or Purple Powder or Crystals	Dark Peach to Maroon or Purple Powder or Crystals
ICP: Confirms Cobalt Component	Confirmed	Confirmed
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in CHCL3	almost transparency	almost transparency



John Su  
QA & QC Manager