

## Certificate of Analysis

Date of Testing: 2023-04-24 10:35:29  
Date of Next Testing: 2027-04-23 10:35:29  
Product Name: **Cobalt sulfamate hydrate**  
CAS Number: 14017-41-5  
Specifications & Purity:  $\geq 98\%$   
Lot #: D2312438  
SKU #: **C107669**  
Analysis: **061789**

Parameter	Limit Values	Result
Sulfur by Elemental Analysis(Anhydrous)	24.4-26 (%)	24.41%
Nitrogen by Elemental Analysis (anhydrous)	10.7-11.61 (%)	10.71%
Moisture content	0-22.28 (%)	19.50%
Assay(as Co,anhydrous)	98-100 (%)	99.88%
Appearance (C107669)	Red to purple Powder or Solid or Crystals	Red to purple Powder or Solid or Crystals



John Su  
QA & QC Manager