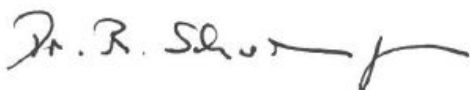


Certificate of Analysis

Product Name: AMMONIUM TETRACHLOROCUPRATE(II) DIHYDRATE
purum, >= 98 %
Product Number: 12801
Batch Number: BCCB0383
Brand: Sigma-Aldrich
CAS Number: 10060-13-6
Formula: $(\text{NH}_4)_2\text{CuCl}_4 \cdot 2\text{H}_2\text{O}$
Formula Weight: 277.47
Quality Release Date: 30 JAN 2019
Recommended Retest Date: JUN 2023

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	BLUE-GREEN OR GREEN-BLUE	BLUE-GREEN
APPEARANCE (FORM)	POWDER OR CRYSTALS	POWDER
REDOX TITRATION	98.0 - 102.0 %	100.2 %
REDOXTITRATION (METHOD)	IODOMETRIC	IODOMETRIC
IRON (ICP)	≤ 50 MG/KG	< 50 MG/KG
TOTAL SULFUR AS SO ₄ (ICP)	≤ 100 MG/KG	< 100 MG/KG



Dr. Reinhold Schwenninger
Quality Assurance
Buchs, Switzerland

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.