

## Certificate of Analysis

**Product Name:** CHROMIUM(III) CHLORIDE HEXAHYDRATE  
purum p.a., >= 98.0 % RT  
**Product Number:** 27096  
**Batch Number:** BCBP0413V  
**Brand:** Aldrich  
**CAS Number:** 10060-12-5  
**Formula:** CrCl<sub>3</sub> • 6H<sub>2</sub>O  
**Formula Weight:** 266.45  
**Quality Release Date:** 11 NOV 2014

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	GREEN TO VERY DARK GREEN	VERY DARK GREEN
APPEARANCE (FORM)	POWDER OR CRYSTALS	CRYSTALS
REDOX TITRATION	98.0 - 102.0 %	100.6 %
REDOXTITRATION (METHOD)	IODOMETRIC	IODOMETRIC
METAL TRACE ANALYSIS (ICP)	CORRESPONDS TO REQUIREMENTS	PASSED
CALCIUM (ICP)	≤ 300 MG/KG	< 300 MG/KG
CADMIUM (ICP)	≤ 50 MG/KG	< 50 MG/KG
COBALT (ICP)	≤ 50 MG/KG	< 50 MG/KG
COPPER (ICP)	≤ 50 MG/KG	< 50 MG/KG
IRON (ICP)	≤ 100 MG/KG	< 100 MG/KG
POTASSIUM (ICP)	≤ 100 MG/KG	< 100 MG/KG
SODIUM (ICP)	≤ 300 MG/KG	< 300 MG/KG
NICKEL (ICP)	≤ 50 MG/KG	< 50 MG/KG
LEAD (ICP)	≤ 50 MG/KG	< 50 MG/KG
ZINC (ICP)	≤ 50 MG/KG	< 50 MG/KG
TOTAL SULFUR AS SO <sub>4</sub> (ICP)	≤ 500 MG/KG	< 500 MG/KG



Dr. Claudia Geitner  
Manager Quality Control  
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.