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Certificate of Analysis

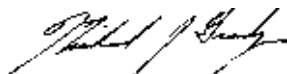
Product Name:

Titanium(III) chloride solution - ≥12% TiCl₃ basis

Product Number: 14010
Batch Number: MKCL3367
Brand: SIAL
MDL Number: MFCD00011266
Formula: Cl₃Ti
Formula Weight: 154.23 g/mol
Quality Release Date: 13 NOV 2019
Recommended Retest Date: OCT 2022



Test	Specification	Result
Titration with Na ₂ S ₂ O ₃	≥ 12.0 %	12.5 %
Free Acid (as HCl)	5.0 - 10.0 %	9.3 %
Recommended Retest Period 36 months	-----	-----



Michael Grady, 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. 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.