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## Certificate of Analysis

Product Name:

Titanium(IV) oxysulfate – sulfuric acid hydrate – synthesis grade

**Product Number:** 333980  
**Batch Number:** MKBQ4146V  
**Brand:** ALDRICH  
**CAS Number:** 123334-00-9  
**MDL Number:** MFCD00150565  
**Formula Weight:** 276 g/mol  
**Quality Release Date:** 25 OCT 2013

TiOSO<sub>4</sub> · xH<sub>2</sub>SO<sub>4</sub> · xH<sub>2</sub>O

Test	Specification	Result
Appearance (Color)	White	White
Appearance (Form)	Powder or Chunks	Powder with Chunk(s)
ICP Major Analysis	Confirmed	Conforms
Confirms Titanium and Sulfur Components		
Water (by Karl Fischer)	5.0 - 15.0 %	10.0 %
Gravimetric Analysis	15.0 - 25.0 %	20.0 %
% Ti (After Ignition To Oxide)		



Jamie Gleason, Manager  
Quality Control  
Milwaukee, Wisconsin 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.