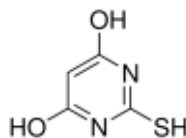


## Certificate of Analysis

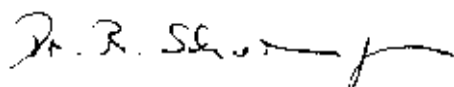
Product Name:

2-Thiobarbituric acid - ≥98%

Product Number: T5500  
Batch Number: BCCM0391  
Brand: SIAL  
CAS Number: 504-17-6  
Formula: C<sub>4</sub>H<sub>4</sub>N<sub>2</sub>O<sub>2</sub>S  
Formula Weight: 144,15 g/mol  
Quality Release Date: 09 AUG 2024



Test	Specification	Result
Appearance (Color)	White to Faint Yellow to Faint Brown	Faint Yellow
Appearance (Form)	Powder	Powder
Titration with NaOH	≥ 98 %	99 %
Purity (HPLC)	≥ 98 %	99 %
Solubility (Color)	Colorless to Faint Yellow to Faint Brown	Almost Colorless
Solubility (Turbidity)	Clear to Slightly Hazy	Very Slightly Hazy
50mg/ml in 1m Sodiumhydroxide		
Infrared Spectrum	Conforms to Structure	Conforms



Dr. Reinhold Schwenninger  
Quality Assurance  
Buchs, Switzerland CH

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](http://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.

