

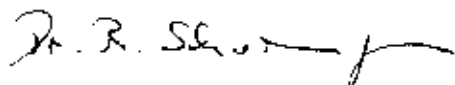
Certificate of Analysis

Product Name:

6-Methyl-2-thiouracil - purum, ≥98.0% S basis (elemental analysis)

Product Number: 69400
Batch Number: BCBV1917
Brand: SIAL
CAS Number: 56-04-2
Formula: C₅H₆N₂OS
Formula Weight: 142,18 g/mol
Quality Release Date: 22 MAY 2017
Date Retested: 16 JUL 2025
Recommended Retest Date: JUN 2029

Test	Specification	Result
Appearance (Color)	White to Faint Yellow	Off White
Appearance (Form)	Powder or Crystals or Powder with Chunk(s) or Crystals with Chunk(s)	Powder
Purity (HPLC)	≥ 98.0 %	98.2 %
Assay (Elemental Analysis)	98.0 - 102.0 %	101.6 %
> = 98.0 % (S)		
Carbon Content		41.96 %
42.24 % (Theory)		
Hydrogen Content		4.25 %
4.25 % (Theory)		
Nitrogen Content		19.86 %
19.70 % (Theory)		
Sulfur (S)	22.05 - 22.96 %	22.90 %
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. 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.

