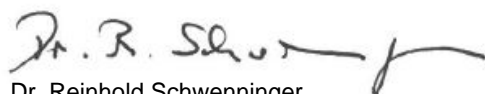


Certificate of Analysis

Product Name: 6-Methyl-2-thiouracil
VETRANAL™, analytical standard
Product Number: 46453
Batch Number: BCCJ1069
CAS Number: 56-04-2
Formula: C₅H₆N₂OS
Formula Weight: 142.18
Expiration Date: JUL 2027
Quality Release Date: 18 AUG 2022

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	WHITE TO LIGHT YELLOW TO LIGHT BEIGE	WHITE
APPEARANCE (FORM)	POWDER OR CRYSTALS	POWDER
PURITY (HPLC AREA %)	≥ 98.0 %	98.0 %
MELTING POINT	325 - 330 C	328 C
WATER	≤ 1.0 %	0.1 %
PROTON NMR SPECTRUM	CONFORMS TO STRUCTURE	CONFORMS



Dr. Reinhold Schwenninger

Quality Assurance

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.

The vibrant M and Sigma-Aldrich are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. Detailed information on trademarks is available via publicly accessible resources.
© 2018 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved.

The life science business of Merck KGaA, Darmstadt, Germany operates as MilliporeSigma in the US and Canada.



46453 6-Methyl-2-thiouracil

Lot Number: BCCJ1069	Sample Name: 779855_001_LCF
-----------------------------	------------------------------------

Dionex Ultimate 3000 RSLC	
Pump : VF-P20-A	Injection Time: 16.08.22 16:10
Autosampler: VF-A10-A	Processed By: mberthet
Detector: VF-D11-A	Vial Number: B:A6
Column: Waters Atlantis T3, 3.0 µm	Column S/N: -
Column Dim.: 150 x 4.6 mm	Sample Type: Unknown
Mobile Phase:	Injection Volume: 1.0 µl
%A : ACN	Flow: 1.00 ml/min
%B : H3PO4 0.01 M	Column Temp. (°C): 30.00
%C : %C	Run Time: 20.00 min
%D : %D	
Gradient : see Figure 1	
Sample Prep.: 10 mg sample in 10 ml acetonitrile:water 1:1	

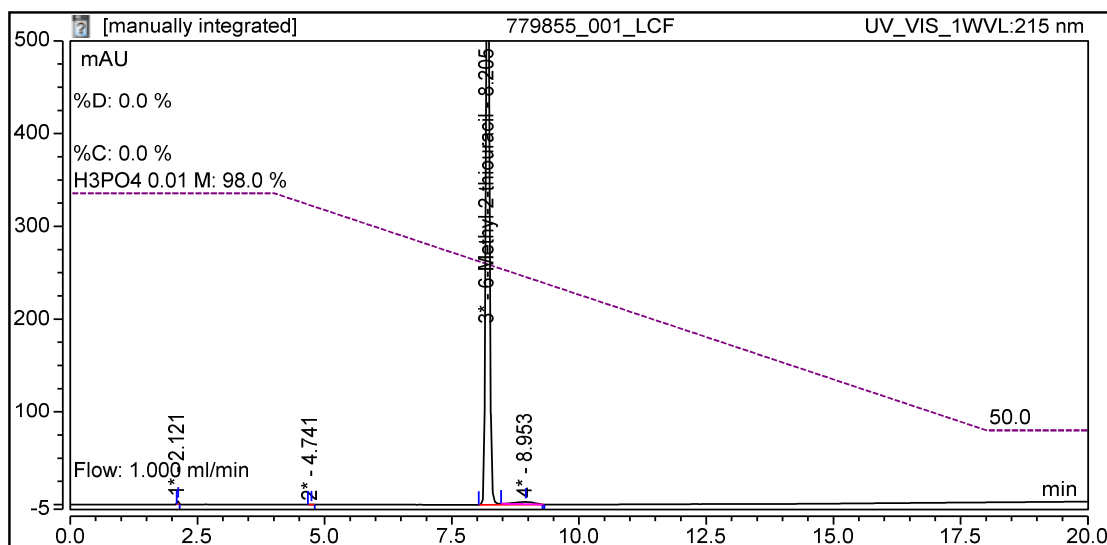


Figure 1: Zoomed Chromatogram

No.	Ret.Time min	Peak Name	Area mAU*min	Height mAU	Amount	Rel.Area %
1	2.121		0.10293	3.66856	n.a.	0.18
2	4.741		0.00542	0.07932	n.a.	0.01
3	8.205	6-Methyl-2-thiouracil	57.38730	778.95155	n.a.	98.01
4	8.953		1.05714	2.34431	n.a.	1.81
Total:			58.55280	785.04373		100.00

Table 1: Integration

