

Certificate of Analysis

Product Name: Promazine hydrochloride
VETRANAL™, analytical standard

Product Number: 46674

Batch Number: BCCJ0757

CAS Number: 53-60-1

Formula: $C_{17}H_{20}N_2S \cdot HCl$

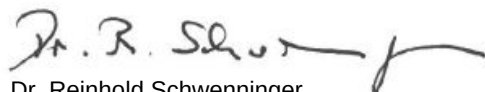
Formula Weight: 320.88

Storage Temperature: 2-8 °C

Expiration Date: JUL 2027

Quality Release Date: 11 AUG 2022

TEST	SPECIFICATION	RESULT
APPEARANCE (COLOR)	WHITE TO OFF WHITE	WHITE
APPEARANCE (FORM)	POWDER OR CRYSTALS	POWDER
PURITY (HPLC AREA %)	≥ 98.0 %	100.0 %
MELTING POINT	177 - 182 °C	180 °C
WATER	≤ 1.0 %	0.5 %
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.

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operates as MilliporeSigma in the US and Canada.



Dionex Ultimate 3000	
Pump : VF-P20-A	Injection Time: 04.08.22 15:07
Autosampler: VF-A10-A	Processed By: murthale
Detector: VF-D40-A	Vial Number: R:B2
Column: Supelco Ascentis Express C18, 2.7 μ m	Column S/N: -
Column Dim.: 100 x 4.6 mm	Sample Type: Unknown
Mobile Phase:	Injection Volume: 5.0 μ l
%A : ACN	Flow: 1.5 ml/min
%B : TB pH 2.4	Column Temp. (°C): 25.00
%C : C%	Run Time: 15.00 min
%D : %D	
Gradient : see Figure 1	
Sample Prep.: 1.5 mg sample in 15 mL acetonitrile:water 1:1	

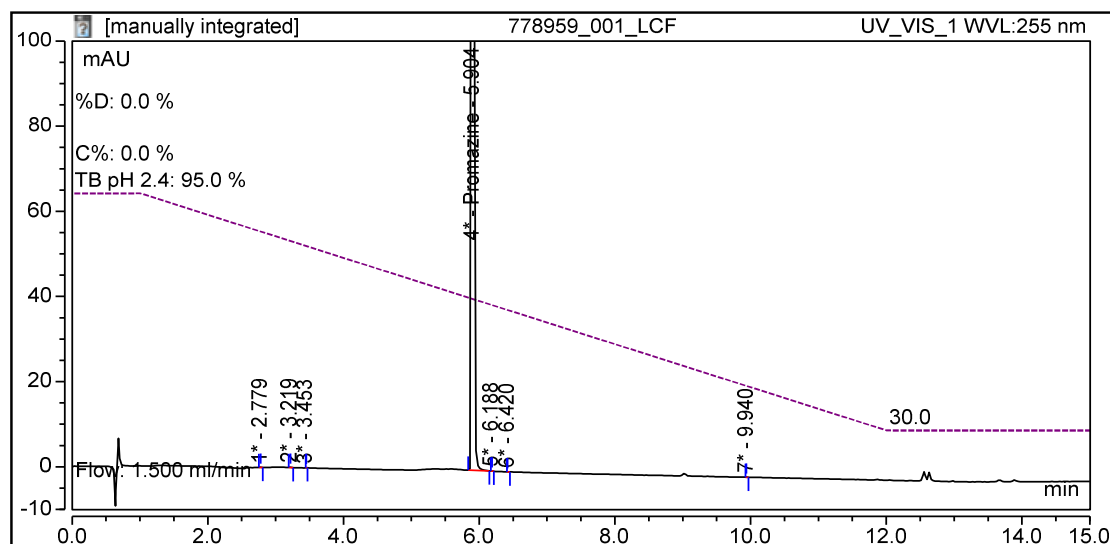


Figure 1: Zoomed Chromatogram

No.	Ret. Time min	Peak Name	Area mAU*min	Height mAU	Amount	Rel. Area %
1	2.779	Promazine	0.00203	0.07788	n.a.	0.01
2	3.219		0.00255	0.09344	n.a.	0.01
3	3.453		0.00038	0.08456	n.a.	0.00
4	5.904		23.62493	975.73938	n.a.	99.97
5	6.188		0.00091	0.05570	n.a.	0.00
6	6.420		0.00106	0.04128	n.a.	0.00
7	9.940		0.00091	0.04659	n.a.	0.00
Total:			23.63277	976.13883		100.00

Table 1: Integration

