



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-211234  
Lot Number: SAMPLE  
Product Name: Demethyl Chlorpromazine Hydrochloride  
CAS Number: 3953-65-9  
Molecular Formula:  $C_{16}H_{18}Cl_2N_2S$   
Molecular Weight: 341.30  
Native Source: Synthetic

Test	Specification	Result
Appearance		White to off-white solid
Identification ( $^1H$ -NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity (TLC)		97%
Atmosphere		Inert Gas
Melting Point		178 - 180 °C
Solubility		Chloroform and Methanol
Butanone		0.9% (NMR)
Carbon Content	56.31%	56.37%
Chloride		10%
Hydrogen Content	5.32%	4.98%
Nitrogen Content	8.21%	8.05%

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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