



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-212586
Lot Number: SAMPLE
Product Name: Promethazine Hydrochloride
CAS Number: 58-33-3
Molecular Formula: $C_{17}H_{20}N_2S \cdot HCl$
Molecular Weight: 320.88

Test	Specification	Result
Appearance		White solid
Identification (NMR)	Consistent with structure	Complies
Identification (1H-NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity (TLC)		98%
Melting Point		218 - 221 °C (dec.)
Carbon Content	63.63%	63.58%
Chloride		11.1%
Hydrogen Content	6.60%	6.65%
Nitrogen Content	8.73 %	8.68%

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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