



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-212587
Lot Number: SAMPLE
Product Name: Promethazine Sulfoxide
CAS Number: 7640-51-9
Molecular Formula: $C_{17}H_{20}N_2OS$
Molecular Weight: 300.42
Native Source: Synthetic

Test	Specification	Result
Appearance		Light purple to purple solid
Identification (FTIR)		Consistent with structure
Identification (1H-NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity (HPLC)		98.88 %
Purity (TLC)		96%
Melting Point		115 - 118 °C
Carbon Content	67.97%	64.62%
Hydrogen Content	6.71%	6.67%
Nitrogen Content	9.32%	9.04%

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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