



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-497035A
Lot Number: SAMPLE
Product Name: Diphenhydramine N-Oxide
CAS Number: 3922-74-5
Molecular Formula: $C_{17}H_{21}NO_2$
Molecular Weight: 271.35
Native Source: Synthetic

Test	Result
Appearance	Off-White Solid
Identification (1H-NMR)	Complies
Identification (Mass Spectrometry)	Complies
Purity (TLC)	98%
Elemental Analysis	(Found) %C: 71.07, %H: 7.73, %N: 4.96; (Calculated) %C: 75.25, %H: 7.80, %N: 5.16
Melting Point	143-146 °C
Solubility	Chloroform (Slightly), Methanol (Slightly), Water (Slightly)
Water Content (KF)	4.6%

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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