



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-253201
Lot Number: SAMPLE
Product Name: Norharmane hydrochloride
CAS Number: 7259-44-1
Molecular Formula: $C_{11}H_{18}N_2 \cdot HCl$
Molecular Weight: 204.66

Test	Specification	Result
Appearance	Slight yellow to yellow or slightly greenish-yellow to greenish-yellow powder	Slight yellow powder
Identification (FTIR)	Consistent with reference spectrum	Complies
Identification (TLC)	Consistent with reference material	Complies
Purity (Argentometric Titration)	98.0 - 102.0%	99.6%
Melting Point	230 - 236 °C	233 °C
Solution (Color)	Slight yellow to yellow or slightly greenish-yellow to greenish-yellow at 5% in water	Greenish yellow at 5% in water
Solution (Turbidity)	≤ 2.0 NTU at 0.5% in water	0.7 NTU at 0.5% in water
Water Content (KF)	6.5 - 9.5%	8.2%

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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