



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-391992  
Lot Number: SAMPLE  
Product Name: 4-Aminoimidazole Dihydrochloride  
CAS Number: 4919-03-3 (free base)  
Molecular Formula:  $C_3H_5N_3 \cdot 2HCl$   
Molecular Weight: 156.01  
Native Source: Synthetic

Test	Specification	Result
Appearance		Off-white to beige solid
Identification ( $^1H$ -NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity (TLC)		95%
Atmosphere		Inert gas
Melting Point		> 194 °C (dec.)
Solubility		DMSO, Methanol, Water
Carbon Content	23.10%	23.12%
Chloride		47.46%
Hydrogen Content	4.52%	4.31%
Nitrogen Content	26.93%	26.30%

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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