



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-219357  
Lot Number: SAMPLE  
Product Name: R-(+)-Nicotine  
CAS Number: 25162-00-9  
Molecular Formula:  $C_{10}H_{14}N_2$   
Molecular Weight: 162.23

Test	Specification	Result
Appearance	Colorless to brown oil	Clear pale brown oil
Chiral purity (HPLC)		99.10% (260 nm)
Identification (NMR)		Conforms to structure
Identification (Mass Spectrometry)		Conforms to structure
Elemental Analysis		%C: 72.37 %H: 8.86 %N: 17.90
Solubility		Chloroform (Slightly), Isopropanol (Slightly), Methanol (Slightly)
Specific Rotation		+130.1° (c = 1.0, Methanol)

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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