



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-203687
Lot Number: SAMPLE
Product Name: **S-(-)-Atenolol**
CAS Number: 93379-54-5
Molecular Formula: $C_{14}H_{22}N_2O_3$
Molecular Weight: 266.34

Test	Specification	Result
Appearance	White to off-white solid	White solid
Microanalysis	Elemental analysis within 0.4 of expected result for each element tested	Complies
Identification (1H -NMR)	Consistent with structure and shows <1% of any impurity	Complies
Identification (Mass Spectrometry)	Mass ion corresponding to $[M+H]^+$	267.2
Purity (HPLC)	> 98%	Complies
TLC		Rf= 0.29
Solubility	25 mM in water	Complies
Optical Rotation	589 nm ($[a]_D$) in 1 N HCl between -28° and -18°	-23° (c=1, in 1N HCl at 25 °C)
Impurity		< 1%

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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