



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-208364
Lot Number: SAMPLE
Product Name: (S)-Cetirizine Dihydrochloride
CAS Number: 163837-48-7
Molecular Formula: $C_{21}H_{25}ClN_2O_3 \cdot 2HCl$
Molecular Weight: 461.81

Test	Specification	Result
Appearance		White solid
Identification (FTIR)	Consistent with structure	Complies
Identification (1H -NMR)	Consistent with structure	Complies
Identification (^{13}C -NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Identification (UV)	Consistent with structure	Complies
Purity (HPLC)		98.84%
Atmosphere		Air
Melting Point		205 - 207 °C
Solubility		Methanol and water
Specific Rotation		- 8.10° (c = 0.21, water, 365 nm)
Chloride		16.42%
Water Content		1.95%

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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