



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-252926
Lot Number: SAMPLE
Product Name: (-)-Isoproterenol (+)-bitartrate salt
CAS Number: 54750-10-6
Molecular Formula: $C_{11}H_{17}NO_3 \cdot C_4H_6O_6$
Molecular Weight: 361.34

Test	Specification	Result
Appearance	White to off-white powder	White powder
Identification (1H -NMR)	Consistent with structure	Complies
Purity (TLC)	$\geq 98\%$	100%
Solution (Color)	Colorless to faint yellow at 50 mg/ml in water	Faint yellow at 50 mg/ml in water
Solution (Turbidity)	Clear at 50 mg/ml in water	Complies
Specific Rotation ($\alpha_{20/D}$)	-15.7 - -14.1° (dry basis)	-14.8° (dry basis)
Isopropanol (GC)	$\leq 5\%$	0%
Nitrogen Content	3.6 - 4.2% (dry basis)	3.8% (dry basis)
Water Content (KF)	$\leq 11\%$	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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