

CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-205751
Lot Number: SAMPLE

 $\begin{array}{lll} \mbox{Product Name:} & \mbox{Metoprolol Tartrate} \\ \mbox{CAS Number:} & 56392\text{-}17\text{-}7 \\ \mbox{Molecular Formula:} & \mbox{C_{34}H}_{56}\mbox{N_2O}_{12} \\ \mbox{Molecular Weight:} & 684.82 \\ \end{array}$

Test	Specification	Result
Appearance	White crystalline powder	Complies
Assay (Anhydrous Basis)	99.0%-101.0% (Potentiometric titration)	100.4%
рН	6.0-7.0	6.51
Residue on Ignition	≤0.1%	0.03%
Specific Rotation	+6.5°~+10.5°	+8.0°
Heavy Metals	≤0.001%	Complies
Loss on Drying	≤0.5%	≤0.14%
Related Substances (HPLC)	Impurity A ≤0.1% Impurity B ≤0.1% Impurity C ≤0.1% Impurity D ≤0.1% Max. individual unknown impurity ≤0.1% Total impurities ≤0.3%	0.08% Negative 0.01% 0.07% 0.06% 0.28%
Related Substances (TLC)	Total impurities ≤1.0%	Complies
Solvent residue	Toluene ≤100ppm Isopropanol ≤1000ppm	Negative 32.3 ppm

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.