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Certificate of Analysis

Catalogue Number	38062
Lot Number	003483-0069230019
Product	Metoprolol tartrate 1-(isopropylamino)-3-[4-(β-methoxyethyl)phenoxy]-2-propanol (+)- Lopressor
CAS Number	56392-17-7
Molecular Formula	(C ₁₅ H ₂₅ NO ₃) ₂ •C ₄ H ₆ O ₆
Molecular Weight	684.81

Appearance	White crystalline powder
Solubility	Very soluble in water, freely soluble in methylene chloride, in chloroform and alcohol, slightly soluble in acetone insoluble in ether.
pH	6.1
Optical Rotation	[α] _D ²⁰ = 8.3 °
Loss on Drying	0.24%
Residual Solvents	Acetone : Not detectable Isopropyl alcohol : 06 ppm Toluene : Not detectable Benzene : Not detectable Monoisopropylamine : 02 ppm Epichlorohydrin : Not detectable
Related Substances	Metoprolol related compound A : 0.05% Metoprolol related compound B : Not detectable Metoprolol related compound C : Not detectable Metoprolol related compound D : Not detectable Any individual unspecified impurity : 0.01% Total impurities : 0.07%
Residue On Ignition	0.05%
Assay	99.8% (On dried basis)
Grade	Meets USP specification
Storage	Store at 2 - 8 °C
Additional Information	Identification : Test for A : Infrared Spectrum : Conforms to structure Test for B : Passes test

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager