

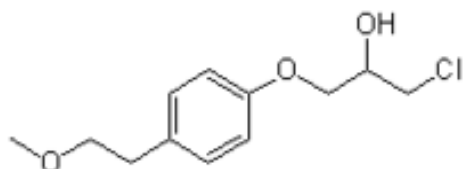
CERTIFICATE OF ANALYSIS OF REFERENCE STANDARD

Reference Standard

Date:

Metoprolol USP RC B/ Metoprolol Succinate Impurity B**Catalog NO: VL103004**

Batch No.:

IUPAC Name: (\pm)-1-chloro-2-hydroxy-3-[4-(2-methoxyethyl)phenoxy]-propane

Molecular Weight: 244.71 g/mol

Molecular Formula: C₁₂H₁₇ClO₃

Sr.#	Test	Results	Data ref.
1	Appearance	Light Yellow Liquid	-----
2	Purity by HPLC	81.38%	Chromatogram attached
3	Mass	Conform	Report attached
4	¹ H NMR	Conform	Report attached

Storage condition: Store at 2-8°C, protect from moisture and direct sunlight.

This certificate of analysis is valid for three years from date of manufacturing provided the substance is stored under suitable conditions.

Date of manufacturing:**Retest Date:****Document data reference:***Prepared by**Reviewed by**Approved by*