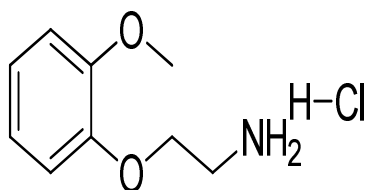


CERTIFICATE OF ANALYSIS

Reference Substance

Date:

(RS) 2-(2-methoxyphenoxy)ethylamine HCl (Carvedilol Impurity-1)**Batch No.:****IUPAC Name:** 2-(2-methoxyphenoxy)ethylamine HClMolecular Formula: C₉H₁₄ClNO₂.HCl

Molecular weight: 203.67 g/mol

Sr.#	Test	Results	Data ref.
1	Appearance	Off White Solid.	-----
2	Purity by HPLC	99.60%	Chromatogram attached
3	Mass	Conform	Report attached
4	H NMR	Conform	Report attached

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

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

Manufacturing date:**Retest date:****Document data reference:***Prepared by**Reviewed by**Approved by*