

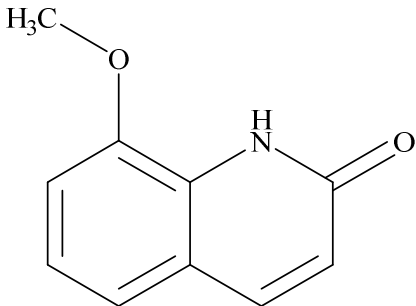
Certificate of Analysis

Certificate No.: 20191015005

Date: October 15, 2019

Retest date: October 12, 2022

Compound Name: Procaterol Impurity 15	
Synonyms:	8-methoxyquinolin-2(1H)-one
TLC Catalogue Number:	P-188018
CAS Number:	22614-69-3
Molecular Weight:	175.19
Molecular Formula:	C ₁₀ H ₉ NO ₂
Source:	TLC Pharmaceutical Standards
Source Lot No.:	3582-069A4
Storage Conditions:	Store at 2-8 °C
Solubility:	Methanol, DMSO, Acetonitrile



Test Description	Specifications	Results
Visual Description	Pale yellow solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	100.0%
Impurity (HPLC)	N/A	
Water Content (KF)	N/A	0.4%
Residual Solvents (NMR)	0.4% acetonitrile	
Assay (%)	Not less than 90.0%	99.2%
Recommendation:	Released.	

Name	Department	Signature	Date
Reviewed and approved by:	Analytical Services		
Approved by:	Quality Assurance		

Attachments: HPLC, IR, MS and NMR spectra.