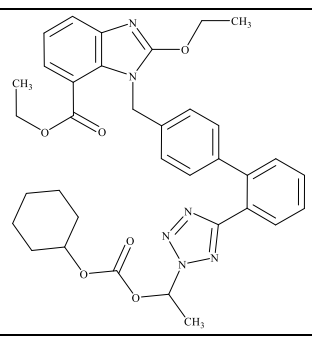


Certificate of Analysis

Certificate No.: 20200619024

Date: June 19, 2020

Retest date: June 17, 2023

Compound Name:	Candesartan Cilexetil Impurity 16	
Synonyms:	ethyl 1-((2'-(2-(1-(((cyclohexyloxy)carbonyl)oxy)ethyl)-2H-tetrazol-5-yl)-[1,1'-biphenyl]-4-yl)methyl)-2-ethoxy-1H-benzo[d]imidazole-7-carboxylate	
TLC Catalogue Number:	C-0132	
CAS Number:	N/A	
Molecular Weight:	638.73	
Molecular Formula:	C ₃₅ H ₃₈ N ₆ O ₆	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	3941-005A5	
Storage Conditions:	Store at 2-8 °C	
Solubility:	Methanol, DMSO, DMF, Acetonitrile	

Test Description	Specifications	Results
Visual Description	White to off-white solid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (HPLC)	Not less than 95.0%	99.0%
Impurity (HPLC)	RT 3.82, 0.39%; RT 12.83, 0.17%	
Water Content (KF)	N/A	0.7%
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 90.0%	98.3%
Recommendation:	Released.	

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

Attachments: HPLC, IR, MS and NMR spectra.