

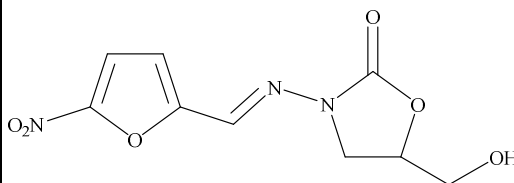
Certificate of Analysis

Certificate No.: **20190117006**

Date: January 17, 2019

Retest date: January 16, 2022

Compound Name: Nifuratel Impurity 4	
Synonyms:	(E)-5-(Hydroxymethyl)-3-(((5-nitrofuran-2-yl)methylene)amino)oxazolidin-2-one
TLC Catalogue Number:	N-477
CAS Number:	N/A
Molecular Weight:	255.19
Molecular Formula:	C ₉ H ₉ N ₃ O ₆
Source:	TLC Pharmaceutical Standards
Source Lot No.:	2266-014A3
Storage Conditions:	Store at 2-8 °C.
Solubility:	DMSO



Test Description	Specifications	Results
Visual Description	Yellow 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%	99.6%
Impurity (HPLC)	RT 6.22, 0.2%; RT 27.35, 0.2%	
Water Content (KF)	N/A	0.2%
Residual Solvents (NMR)	0.2% dimethylformamide	
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.