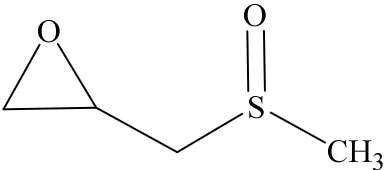


Certificate of Analysis

Certificate No.: **20181023020**

Date: October 23, 2018

Retest date: October 18, 2021

Compound Name:		Nifuratel Impurity 20 (Mixture of Diastereomers)
Synonyms:	2-((Methylsulfinyl)methyl)oxirane	
TLC Catalogue Number:	N-4723	
CAS Number:	74920-48-2	
Molecular Weight:	120.17	
Molecular Formula:	C ₄ H ₈ O ₂ S	
Source:	TLC Pharmaceutical Standards	
Source Lot No.:	3136-064A3	
Storage Conditions:	Store at 2-8 °C.	
Solubility:	Methanol, DMSO, Acetonitrile	

Test Description	Specifications	Results
Visual Description	Colorless oil	Conforms
Identification		
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (GC)	Not less than 98.0%	99.1%
Impurity (GC)	RT 6.54, 0.9%	
Water Content (KF)	N/A	1.0%
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 95.0%	98.1%
Recommendation:	Released.	

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

Attachments: GC, MS and NMR spectra.