

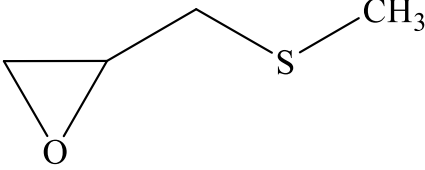
Certificate of Analysis

Certificate No.: 20211221009

Date: December 21, 2021

Retest date: December 21, 2024

Compound Name: Nifuratel Impurity 14	
Synonyms:	2-((methylthio)methyl)oxirane
TLC Catalogue Number:	N-4717
CAS Number:	45378-62-9
Molecular Weight:	104.17
Molecular Formula:	C ₄ H ₈ OS
Source:	TLC Pharmaceutical Standards
Source Lot No.:	3136-053C8
Storage Conditions:	Store at 2-8 °C
Solubility:	Methanol, DMSO, Acetonitrile



Test Description	Specifications	Results
Visual Description	Colorless liquid	Conforms
Identification		
IR	Conforms to structure	Conforms
MS	Conforms to structure	Conforms
¹ H NMR	Conforms to structure	Conforms
Purity (GC)	Not less than 95.0%	97.6%
Impurity (GC)	RT 8.29, 2.30%	
Water Content (KF)	N/A	0.4%
Residual Solvents (NMR)	No residual solvent	
Assay (%)	Not less than 90.0%	97.2%
Recommendation:	Release.	

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

Attachments: GC, IR, MS and NMR spectra.