

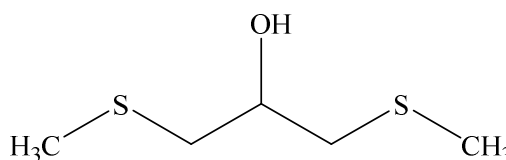
Certificate of Analysis

Certificate No.: 20180906003

Date: September 6, 2018

Retest date: September 5, 2021

Compound Name: Nifuratel Impurity 15	
Synonyms:	1,3-Bis(methylthio)propan-2-ol
TLC Catalogue Number:	N-4718
CAS Number:	31805-83-1
Molecular Weight:	152.27
Molecular Formula:	C ₅ H ₁₂ OS ₂
Source:	TLC Pharmaceutical Standards
Source Lot No.:	3136-025A5
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%	98.9%
Impurity (GC)	RT 12.32, 0.2%; RT 13.43, 0.2%; RT 13.57, 0.1%	
Residual Solvents (NMR)	No residual solvent	
Recommendation:	Released.	

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

Attachments: GC, MS and NMR spectra.