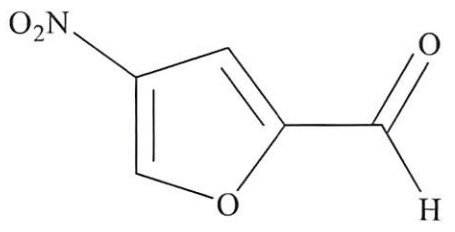


## Certificate of Analysis


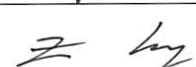
Certificate No.: **20251230020**

Date: December 30, 2025

Retest date: December 23, 2028

<b>Compound Name:</b> Nifuratel Impurity 25		
<b>Synonyms:</b>	4-nitrofuran-2-carbaldehyde	
<b>TLC Catalogue Number:</b>	N-4728	
<b>CAS Number:</b>	57500-49-9	
<b>Alternate CAS Number:</b>	N/A	
<b>Molecular Weight:</b>	141.08	
<b>Molecular Formula:</b>	C <sub>5</sub> H <sub>3</sub> NO <sub>4</sub>	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	7079-085A3	
<b>Storage Conditions:</b>	Store at 2-8 °C	
<b>Solubility:</b>	Methanol, DMSO, DMF, Acetonitrile	

Test Description	Specifications	Results
<b>Visual Description</b>	Yellow solid	<b>Conforms</b>
<b>Identification</b>		
IR	Conforms to structure	<b>Conforms</b>
MS	Conforms to structure	<b>Conforms</b>
<sup>1</sup> H NMR	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>99.7%</b>
<b>Impurity (HPLC)</b>	RT 13.25, 0.30%	
<b>Water Content (KF)</b>	N/A	<b>0.1%</b>
<b>Residual Solvents (NMR)</b>	0.1% <i>n</i> -hexane	
<b>Assay (%)</b>	Not less than 90.0%	<b>99.5%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		0110612026
Approved by:	Quality Assurance		0110612026

**Attachments:** Peak Attribution Table, Assay Calculation, HPLC, IR, MS and NMR spectra.