

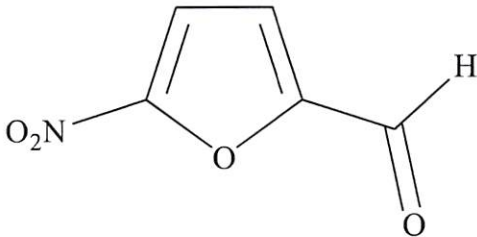
## Certificate of Analysis

Certificate No.: 20240409006



Date: April 9, 2024

Retest date: April 7, 2027

<b>Compound Name:</b> Nifuratel Impurity 8	
<b>Synonyms:</b>	5-nitrofuran-2-carbaldehyde
<b>TLC Catalogue Number:</b>	N-4711
<b>CAS Number:</b>	698-63-5
<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>	6195-049A1
<b>Storage Conditions:</b>	Store at 2-8 °C
<b>Solubility:</b>	Methanol, DMSO, DMF, Acetonitrile



Test Description	Specifications	Results
<b>Visual Description</b>	Brown liquid	<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>99.9%</b>
<b>Impurity (HPLC)</b>	RT 5.51, 0.14%	
<b>Residual Solvents (NMR)</b>	1.2% acetonitrile and 0.4% acetic acid	
<b>Assay (qNMR)</b>	Not less than 90.0%	<b>96.8%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		04/11/2024
Approved by:	Quality Assurance		04/11/2024

**Attachments:** HPLC, IR, MS and NMR spectra.