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## CERTIFICATE OF ANALYSIS

Analysis Date: Oct 2024

Re-test Date: Sep 2027

**Product Name: Nitrofurantoin Monohydrate (In House Standard)**

### Identification:

Chemical Name: 1-(((5-Nitrofuran-2-yl)methylene)amino)imidazolidine-2,4-dione hydrate

Synonyms : NA

CAS Number : 17140-81-7

CAT Number : CP-N12009

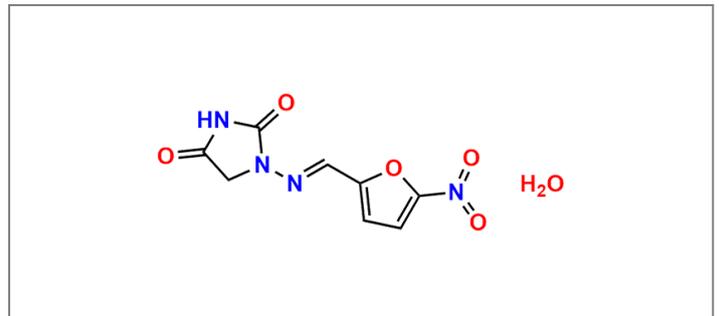
Molecular Formula : C<sub>8</sub>H<sub>6</sub>N<sub>4</sub>O<sub>5</sub> : H<sub>2</sub>O

Molecular Weight : 238.16 : 18.02

Batch Number : CP-NFT-MH-0924

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Yellow Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.58%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	Weight loss by TGA	-
7)	Potency by TGA	-



### Prepared and Reviewed By

Ms Priyanka Salunkhe  
(Quality Control)

### Approved By

Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.