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CERTIFICATE OF ANALYSIS

CA.Ph.Eur.3009/032/23

Product name:	NITROFURAL	CAS Number:	[59-87-0]
Chemical name:	2-[(5-Nitrofuran-2-yl)methylene]diazanecarboxamide		
Molec.Formula:	C₆H₆N₄O₄	Molec.Weight:	198.14
Batch N°:	3009/30349		
Date of Manufacture:	MAY-2023	Retest Date:	APR-2028

TESTS	SPECIFICATIONS	RESULTS
Appearance	Yellow or brownish-yellow, crystalline powder.	Complies
Solubility	Very slightly soluble in water, slightly soluble in ethanol (96%).	Complies
Identification		
IR Spectrum	Matches with the IR Spectrum of <i>Nitrofural CRS</i> .	Complies
pH	5.0 to 7.0	6.8
Related substances (HPLC)		
Impurity A	Not more than 0.5%.	<0.05%
Impurity B	Not more than 0.5%.	<0.05%
Unspecified impurities	Not more than 0.10%.	Maxim: <0.05%
Total impurities	Not more than 1.0%.	<0.05%
Loss on drying	Maximum 0.5%.	0.12%
Sulfated ash	Maximum 0.1%.	0.04%
Residual solvents (HS-GC)		
Methanol	Not more than 500 ppm.	26 ppm
Methyl acetate	Not more than 500 ppm.	37 ppm
ASSAY (UV)	97.0% to 103.0% (dried substance).	98.7%

0.05%: Disregard limit for Impurity A, Impurity B and Nitrofural

2 ppm: DL for Methanol

7 ppm: QL for Methanol

1 ppm: DL and QL for Methyl acetate

NOTE: The product meets the requirements of the current Ph.Eur. monograph for Nitrofural.

Q. Laboratory Manager
APPROVED

A. AMELLER

05/05/2023

Quality Director
APPROVED

P. VERGE

05/05/2023