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## CERTIFICATE OF ANALYSIS



CA.USP.3009/009/18

<b>Product name:</b>	<b>NITROFUZAZONE</b>	<b>CAS Number:</b>	[59-87-0]
<b>Chemical name:</b>	Hydrazinecarboxamide, 2-[(5-nitro-2-furanyl)methylene]-		
<b>Molec.Formula:</b>	C <sub>6</sub> H <sub>6</sub> N <sub>4</sub> O <sub>4</sub>	<b>Molec.Weight:</b>	198.14
<b>Batch N°:</b>	3009/90327		
<b>Date of Manufacture:</b>	SEP-2019	<b>Retest Date:</b>	AUG-2024

TESTS	SPECIFICATIONS	RESULTS
<b>Appearance</b>	Yellow or brownish-yellow crystalline powder.	Complies
<b>Identification</b>		
Infrared Absorption	Matches with <i>USP Nitrofurazone RS</i> .	Complies
Ultraviolet Absorption	Ratio: A <sub>306</sub> / A <sub>375</sub> does not exceed 0.25.	0.23
<b>pH</b>	Between 5.0 and 7.5.	6.3
<b>Loss on drying</b>	Not more than 0.5%.	0.07%
<b>Residue on ignition</b>	Not more than 0.1%.	0.00%
<b>Related substances (HPLC)</b>		
Nitrofurazone related compound A	Not more than 0.5%.	<0.01%
Nitrofurfural diacetate	Not more than 0.5%.	<0.01%
Unspecified impurities	Not more than 0.1%.	Max.: <0.04%
Total impurities	Not more than 2.0%.	<0.04%
<b>Residual solvents (HS-GC)</b>		
Methanol	Not more than 500 ppm.	<2 ppm
Methyl acetate	Not more than 500 ppm.	8 ppm
<b>Assay (UV)</b>	Between 98.0% and 102.0% on dried substance.	100.1%

0.01%: DL for Impurity A	0.02%: QL for Impurity A
0.01%: DL for Impurity B	0.02%: QL for Impurity B
0.01%: DL for Nitrofurazone	0.04%: QL for Nitrofurazone
2 ppm: DL for Methanol	7 ppm: QL for Methanol
1 ppm: DL for Methyl acetate	1 ppm: QL for Methyl acetate

**NOTE:** The product meets the requirements of the current USP monograph for Nitrofurazone.

<b>Q. Laboratory Manager</b> APPROVED  C. DE TORO 08/10/19	<b>Quality Director</b> APPROVED  P. VERGE 08/10/19
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