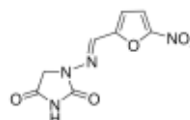


## Product Specification

Product Name:  
Nitrofurantoin - 98.0-102.0% (EP, UV)

Product Number: **N7878**  
CAS Number: 67-20-9  
Formula: C<sub>8</sub>H<sub>6</sub>N<sub>4</sub>O<sub>5</sub>  
Formula Weight: 238.16 AMU



TEST	Specification
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Appearance (Color)	Yellow
Appearance (Form)	Crystals or Crystalline Powder
Related Substances (EP-TLC)	≤ 1.0 %
Identification A (EP)- The solution should show two absorbance maxima at 266 and 367 nm. The ratio of the maxima absorbance at 367 nm to that of the maximum absorbance at 266 mn should be 1.36 to 1.42	Conforms
Identification B (EP)- color reaction	Conforms
Loss on Drying (EP)	≤ 1.0 %
Sulphated Ash (EP) w/w	≤ 0.1 %
Assay (UV) (EP) (Calculated on the dried basis)	98.0 - 102.0 %
Recommended Retest Period 3 Years	-----

Specification: PRE.3.ZQ5.10000020752

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

