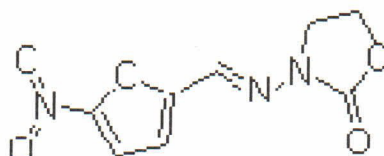


Batch no 20250601
Mf date Jun 11 2025
Expiry Jun 10 2028
Batch size 1011 kg

Molecular Structure



Molecular Formula $C_8H_7N_3O_5$

Molecular Weight 225.16

CAS Registry Number 67-45-8

Sep 15 2025

Tests	Specifications	Results
Appearance	Yellow crystalline powder	Conforms
Solubility	Very slightly soluble in water and in ethanol (96%); slightly soluble in chloroform; practically insoluble in ether	Conforms
Identification	IR, color test	Positive
Sulphated ash	$\leq 0.1\%$	0.05%
Loss on drying (105°C)	$\leq 0.5\%$	0.35%
pH	4.5 ~ 7.0	5.5
Nitrofurfural diacetate	$\leq 1.0\%$	Conforms
Residual solvents	Meets the requirements	Conforms
Assay (odb)	97.0 ~ 103.0% of $C_8H_7N_3O_5$	99.41%

Packaging and storage	Preserve in tight, light-resistant containers, and avoid exposure to direct sunlight
Conclusion	Material complies with BP2021