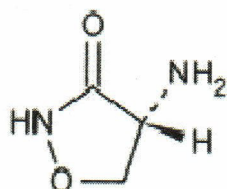


Batch no 20250825
Mf date Aug 25 2025
Retest Aug 24 2028

Molecular Structure



Molecular Formula $C_3H_6N_2O_2$
Molecular Weight 102.09
CAS Registry Number 68-41-7

Nov 04 2025

Tests	Specifications	Results
Appearance	White or pale yellow crystalline powder	White powder
Solubility	Its solutions are dextrorotatory. Freely soluble in water	Conforms
Identification	A blue color gradually develops	Positive
Appearance of solution	Colorless, clear	Conforms
Condensation products (at 285nm)	Absorptivity ≤ 0.8	0.13
Specific rotation	$+108 \sim +114^\circ$ ($c=5$ in 2N NaOH)	$+111.48^\circ$
Crystallinity	Meets the requirements	Conforms
pH	$5.5 \sim 6.5$	5.89
Loss on drying (60°C, 3hr)	$\leq 1.0\%$	0.23%
Residue on ignition	$\leq 0.5\%$	0.1%
Residual solvents	Methanol ≤ 5000 ppm Acetone ≤ 5000 ppm	ND ND
Assay (HPLC)	≥ 900 ug/mg	992.42 ug/mg
Packaging & storage	Preserve in tight containers	
Conclusion	Material complies with USP-NF2025	