



## Specification

### Sulfapyridine USP

**Catalog Number:** SU1001  
**CAS Number:** 144-83-2  
**Synonym(s):** 4-Amino-*N*-[2-pyridyl]benzene sulfonamide, *N*<sup>1</sup>-(Pyridin-2-yl)sulfanilamide  
**Molecular Formula:** C<sub>11</sub>H<sub>11</sub>N<sub>3</sub>O<sub>2</sub>S  
**Molecular Weight:** 249.29  
**Storage:** 2°C – 8°C  
**Retest Period:** Two years from the date of manufacture

Test	Specification
Appearance	Off-white to yellow-white crystalline
Assay (Titration)	99.0 – 100.5%
Identification (A&B)	To pass tests
Melting Point	190°C – 192°C
Solubility	Soluble in 0.5M NaOH, DMSO, methanol, ethanol (1:400), acetone (1:65), dilute mineral acids. Partly miscible in water.
Clarity & Color of Solution	Clear, not deeper than pale yellow
Moisture (LOD)	≤ 0.5%
Residue on Ignition	≤ 0.1%
Acidity	≤ 0.2 mL
Heavy Metals	≤ 0.002%
Selenium	≤ 0.003%
All lots meet the specifications for USP39.	

Approved:

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