



## Certificate of Analysis

### Sulfapyridine USP

**Catalog Number:** SU1001  
**Lot Number:** 1003601  
**CAS Number:** 144-83-2  
**Synonym(s):** 4-Amino-*N*-[2-pyridyl]benzene sulfonamide, *N*'-(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  
**Date of Manufacture:** April 15, 2016  
**Retest Date:** April 14, 2019

Test	Specification	Result
Appearance	Off-white to yellow-white crystalline	Conforms
Assay (Titration)	99.0 – 100.5%	99.2%
Identification (A&B)	To pass tests	Conforms
Melting Point	190°C – 192°C	Conforms
Solubility	Soluble in 0.5M NaOH, DMSO, methanol, ethanol (1:400), acetone (1:65), dilute mineral acids. Partly miscible in water.	Conforms
Clarity & Color of Solution	Clear, not deeper than pale yellow	Conforms
Moisture (LOD)	≤ 0.5%	0.38%
Residue on Ignition	≤ 0.1%	0.09%
Acidity	≤ 0.2 mL	< 0.2mL
Heavy Metals	≤ 0.002%	< 0.002%
Selenium	≤ 0.003%	< 0.003%
This batch meets the specifications for USP39.		

Approved by:

Date: October 3, 2016

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