

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-09-27 16:44:51  
Date of Next Testing: 2026-09-26 16:44:51  
Product Name: **4-Phenylpyridine**  
CAS Number: 939-23-1  
Specifications & Purity: 97%  
Lot #: I2226226  
SKU #: **P117997**  
**Analysis: 140393**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(GC)	97-100 (%)	99.55 %
Melting point	74-77 (°C)	76.98000 °C
Purity(Titration by HClO <sub>4</sub> )	96.5-103.5 (%)	99.87 %
Appearance (P117997)	White to Tan Powder or Crystals	White to Tan Powder or Crystals
Solubility in MeOH	almost transparency	almost transparency
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager