

## Certificate of Analysis

Date of Testing: 2025-03-12 14:46:45  
Date of Next Testing: 2029-03-11 14:46:45  
Product Name: **1-Phenylpiperazine**  
CAS Number: 92-54-6  
Specifications & Purity:  $\geq 97\%$   
Lot #: E2128373  
SKU #: **P101918**  
Version: **0**  
Analysis #: **478930**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Density (20°C)	1.068-1.072	1.07
Refractive index n <sub>20</sub> /D	1.588-1.59	1.59
Purity(GC)	97-100 (%)	98.70%
Appearance (P101918)	Colorless to Yellow Liquid	Colorless to Yellow Liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager