

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-09-22 10:05:52
 Date of Next Testing: 2026-09-21 10:05:52
 Product Name: **Homopiperazine**
 CAS Number: 505-66-8
 Specifications & Purity: $\geq 98\%$
 Lot #: I2212014
 SKU #: **H106298**
 Version: **1**
 Analysis #: **113662**
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.12100 %
Purity(Nonaqueous Titration)	98-100 (%)	99.38200 %
Melting point	41-45 (°C)	42.68000 °C
Appearance (H106298)	Colorless to White to Yellow Liquid or Solid	Colorless to White to Yellow Liquid or Solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O	Almost transparency	almost transparency



John Su
QA & QC Manager