

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-03-21 11:05:29
 Date of Next Testing: 2028-03-20 11:05:29
 Product Name: **Homopiperazine-1,4-bis(2-ethanesulfonic acid) (Homo-PIPES)**
 CAS Number: 202185-84-0
 Specifications & Purity: $\geq 97\%$ (T)
 Lot #: C2620352
 SKU #: **H132952**
 Version: **0**
 Analysis #: **674582**
 Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

Parameter	Limit Values	Result
Water by Karl Fischer	0-5 (%)	0.60000 %
Purity(Neutralization titration)	97-100 (%)	98.90000 %
Appearance (H132952)	Colorless or White Powder or Crystals	Colorless or White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager