

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-04-13 15:48:46

Date of Next Testing: 2030-04-12 15:48:46

Product Name: **1,4-Piperazinediethanesulfonic acid disodium salt (PIPES 2Na)**

CAS Number: 76836-02-7

Specifications & Purity: $\geq 98\%$

Lot #: D2609478

SKU #: **P113025**

Version: **3**

Analysis #: **664722**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	0.00000 ppm
Water by Karl Fischer	0-8 (%)	0.22550 %
UV Absorbance 260 nm(0.1 M in water)	≤ 0.05	0.02800
UV Absorbance 280 nm(0.1 M in water)	≤ 0.05	0.02000
Purity(Nonaqueous Titration)(As drybase)	98-100 (%)	99.52000 %
Appearance (P113025)	white crystalline powder	white crystalline powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility, Colorless, Clear, 25 g plus 50 ml H ₂ O	pass	Pass



John Su
QA & QC Manager