

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-10 09:41:48
Date of Next Testing: 2028-07-09 09:41:48
Product Name: **1,4-Piperazinediethanesulfonic acid disodium salt**
CAS Number: 76836-02-7
Specifications & Purity: 98%
Lot #: F2428498
SKU #: **P113025**
Version: **3**
Analysis #: **348917**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Water by Karl Fischer	0-8 (%)	0.53 %
UV Absorbance 260 nm(0.1 M in water)	≤0.05	0.04300
UV Absorbance 280 nm(0.1 M in water)	≤0.05	0.03500
Purity(Nonaqueous Titration)(As drybase)	98-100 (%)	98.45 %
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 H2O	pass	Pass



John Su
QA & QC Manager