

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-03-13 15:12:50
Date of Next Testing: 2028-03-12 15:12:50
Product Name: **1,4-Piperazinediethanesulfonic acid disodium salt**
CAS Number: 76836-02-7
Specifications & Purity: 98%
Lot #: G1629013
SKU #: **P113025**
Analysis: **330078**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
UV Absorbance 290nm(33%,H2O)	0-0.1	0.04
Water by Karl Fischer	0-8 (%)	1.46 %
Purity(NonaqueousTitration)(As drybase)	98-100 (%)	98.83 %
Appearance (P113025)	white crystalline powder	white crystalline powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
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