

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-08 15:00:58
Date of Next Testing: 2027-06-07 15:00:58
Product Name: **N-(2-Hydroxyethyl)piperazine-N'-(4-butanesulfonic acid)**
CAS Number: 161308-36-7
Specifications & Purity: 99% , water \leq 0.1%
Lot #: J1508090
SKU #: **H113002**
Analysis: **238029**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
A290(33%W/W)	0-0.1	0.09
Water by Karl Fischer	0-0.1 (%)	0.09 %
Purity (T)	99-100 (%)	99.80 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Appearance (H113002)	White powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O , Colorless to Faint Yellow,Clear to Hazy,500mg/ml	pass	Pass



John Su
QA & QC Manager