

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-07-14 13:34:37
 Date of Next Testing: 2029-07-13 13:34:37
 Product Name: 4-(2-Hydroxyethyl)piperazine-1-ethanesulfonic acid hemisodium salt
 CAS Number: 103404-87-1
 Specifications & Purity: ≥99%
 Lot #: J2311163
 SKU #: H189426
 Version: 1
 Analysis #: 735940
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	0-3 (%)	1.62900 %
Assay(Titration by H2SO4)(Dry basis)	99-102 (%)	100.31800 %
Appearance (H189426)	White Powder or solid	white powder or solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager