

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-04-24 17:02:13

Date of Next Testing: 2030-04-23 17:02:13

Product Name: **HEPES**

CAS Number: 7365-45-9

Specifications & Purity:  $\geq 99.5\%$ (T)

Lot #: D2601331

SKU #: **H109407**

Version: **0**

Analysis #: **680849**

Storage Temperature: Room temperature, Argon charged, Desiccated, Cool

| Parameter                                                           | Limit Values             | Result                   |
|---------------------------------------------------------------------|--------------------------|--------------------------|
| Water by Karl Fischer                                               | 0-1 (%)                  | 0.05330 %                |
| Heavy metal (as Pb)                                                 | 0-5 (ppm)                | 4.00000 ppm              |
| Purity (Titration by NaOH)(anhydrous)                               | 99.5-100.5 (%)           | 100.30000 %              |
| UV Absorbance 290nm(33%,H <sub>2</sub> O)                           | 0-0.05                   | 0.00800                  |
| Appearance (H109407)                                                | White Powder or Crystals | White Powder or Crystals |
| Carbon NMR Spectrum                                                 | Conforms to Structure    | Conforms to Structure    |
| Solubility in H <sub>2</sub> O , clear colorless ,500mg/ml in water | pass                     | Pass                     |



John Su  
QA & QC Manager