

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-01-22 14:05:49  
 Date of Next Testing: 2026-01-21 14:05:49  
 Product Name: **N-Methyl-D-glucamine Hydrochloride [for Buffer]**  
 CAS Number: 35564-86-4  
 Specifications & Purity:  $\geq 98\%$ (HPLC)(T)  
 Lot #: D2323832  
 SKU #: **N159084**  
 Version: **0**  
 Analysis #: **069290**  
 Storage Temperature: Room temperature

| Parameter                                                                                       | Limit Values                                          | Result                                                |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| Specific Rotation $[\alpha]_{20/D(c=10 \text{ in-}22--19 \text{ } ^\circ)$<br>H <sub>2</sub> O) |                                                       | -19.50200 °                                           |
| Melting point                                                                                   | 148-153 (°C)                                          | 148.92000 °C                                          |
| Purity (Argentmetric Titration)                                                                 | 97.5-102.5 (%)                                        | 98.36000 %                                            |
| Purity(HPLC)                                                                                    | 98-100 (%)                                            | 98.65900 %                                            |
| Appearance (N159084)                                                                            | white to pale yellow Powder, Crystals<br>and/or Chunk | white to pale yellow Powder, Crystals<br>and/or Chunk |



John Su  
QA & QC Manager