

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-27 10:08:23

Date of Next Testing: 2028-12-26 10:08:23

Product Name: **D-Glucosamine sulphate**

CAS Number: 29031-19-4

Specifications & Purity: Moligand™, ≥98%

Lot #: L2423520

SKU #: **G117990**

Version: **0**

Analysis #: **165114**

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

| Parameter                                                                         | Limit Values                          | Result                                |
|-----------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| Loss on drying                                                                    | 0-0.5 (%)                             | 0.00000 %                             |
| Specific Rotation [α] <sub>20</sub> /D(c=3.5 in H <sub>2</sub> O in Standing 24h) | 52-54 (°)                             | 53.55000 °                            |
| Heavy metals                                                                      | 0-0.001 (%)                           | 0.00000 %                             |
| Purity(HPLC)                                                                      | 98-100 (%)                            | 99.10600 %                            |
| Appearance (G117990)                                                              | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Proton NMR spectrum                                                               | Conforms to Structure                 | Conforms to Structure                 |



John Su  
QA & QC Manager