

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-09-07 14:18:00

Date of Next Testing: 2027-09-06 14:18:00

Product Name: **D-(+)-Galactosamine hydrochloride**

CAS Number: 1772-03-8

Specifications & Purity:  $\geq 99\%$

Lot #: L1905043

SKU #: **G115553**

Version: **0**

Analysis #: **272790**

Storage Temperature: Store at 2-8°C

| Parameter                                                                | Limit Values                                 | Result                                       |
|--------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|
| Purity(HPLC)                                                             | 99-100 (%)                                   | 99.19500 %                                   |
| Purity (Argentmetric Titration)                                          | 98.5-101.5 (%)                               | 101.10000 %                                  |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in H}_2\text{O in 24hrs})$ | 94-98 (°)                                    | 97.86200 °                                   |
| Appearance (G115553)                                                     | White to Off-White Powder or Solid or Chunks | White to Off-White Powder or Solid or Chunks |
| Infrared spectrum                                                        | Conforms to Structure                        | Conforms to Structure                        |
| Solubility,Clear to Very Slightly Hazy(50 mg/ml of H <sub>2</sub> O)     | pass                                         | Pass                                         |



John Su  
QA & QC Manager