

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-11 14:30:00

Date of Next Testing: 2027-07-10 14:30:00

Product Name: **5-Thio-D-glucose**

CAS Number: 20408-97-3

Specifications & Purity:  $\geq 98\%$ (HPLC)

Lot #: G23041167

SKU #: **T107913**

Version: **2**

Analysis #: **237714**

Storage Temperature: Store at -20°C

| Parameter                                                             | Limit Values                       | Result                             |
|-----------------------------------------------------------------------|------------------------------------|------------------------------------|
| Purity(HPLC)                                                          | 98-100 (%)                         | 99.32400 %                         |
| Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 0.1N \text{ HCl})$ | 220-229 (°)                        | 228.91000 °                        |
| Melting point                                                         | 135-138 (°C)                       | 136.61000 °C                       |
| Appearance (T107913)                                                  | White to yellow powder or crystals | White to yellow powder or crystals |
| Infrared spectrum                                                     | Conforms to Structure              | Conforms to Structure              |



John Su  
QA & QC Manager