

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-11 14:33:28
 Date of Next Testing: 2027-07-10 14:33:28
 Product Name: **5-Thio-D-glucose**
 CAS Number: 20408-97-3
 Specifications & Purity: $\geq 98\%$ (HPLC)
 Lot #: G23041169
 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