

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-07-11 16:32:13

Date of Next Testing: 2027-07-10 16:32:13

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

CAS Number: 20408-97-3

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

Lot #: G23041170

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