

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-07-25 13:35:09

Date of Next Testing: 2028-07-24 13:35:09

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

CAS Number: 20408-97-3

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

Lot #: G2419211

SKU #: **T107913**

Version: **2**

Analysis #: **344094**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Melting point	135-138 (°C)	136.50000 °C
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 0.1N \text{ HCl})$	220-229 (°)	223.50000 °
Purity(HPLC)	98-100 (%)	98.40000 %
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