

Certificate of Analysis

Date of Testing: 2023-12-20 16:58:42

Date of Next Testing: 2027-12-19 16:58:42

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

CAS Number: 20408-97-3

Specifications & Purity: $\geq 98.0\%$ (HPLC)

Lot #: B2010106

SKU #: **T107913**

Analysis: **306958**

Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Melting point	135-138 ($^{\circ}\text{C}$)	136.35000 $^{\circ}\text{C}$
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 0.1\text{N HCl})$	220-229 ($^{\circ}$)	220.78 $^{\circ}$
Purity(HPLC)	98-100 (%)	99.88700 %
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