

Certificate of Analysis

Date of Testing: 2024-09-27 12:33:47
Date of Next Testing: 2028-09-26 12:33:47
Product Name: **Glutathione (Reduced)**
CAS Number: 70-18-8
Specifications & Purity: $\geq 98\%$
Lot #: I2419436
SKU #: **G105426**
Version: **1**
Analysis #: **407130**
Storage Temperature: Protected from light, Store at -20°C , Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.38000%
Melting point	182-192 ($^{\circ}\text{C}$)	191.59000 $^{\circ}\text{C}$
Loss on drying	0-0.5 (%)	0.10%
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$	-19--16 ($^{\circ}$)	-16.32 $^{\circ}$
Purity(Iodometric Titration)	98-100 (%)	99.28%
Appearance (G105426)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O, Colorless, Clear, 50 mg/mL in H ₂ O	pass	Pass



John Su
QA & QC Manager