

## Certificate of Analysis

Date of Testing: 2023-08-18 15:38:29  
Date of Next Testing: 2027-08-17 15:38:29  
Product Name: **Glutathione (Reduced)**  
CAS Number: 70-18-8  
Specifications & Purity: 98%  
Lot #: H2315653  
SKU #: **G105426**  
**Analysis:** **258701**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.61100%
Melting point	182-192 (°C)	191.92000 °C
Loss on drying	0-0.5 (%)	0.08%
Purity(Iodometric Titration)	98-100 (%)	98.96%
Specific Rotation [α] <sub>20</sub> /D(c=2 in H <sub>2</sub> O)	-19--16 (°)	-16.89°
Appearance (G105426)	white powder	White powder
Solubility in H <sub>2</sub> O , Colorless ,Clear ,50 mg/mL in H <sub>2</sub> O	pass	Pass
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager