

## Certificate of Analysis

Date of Testing: 2022-09-15 16:43:37  
Date of Next Testing: 2026-09-14 16:43:37  
Product Name: **Glutathione (Reduced)**  
CAS Number: 70-18-8  
Specifications & Purity: 98%  
Lot #: I2208388  
SKU #: **G105426**  
**Analysis:** **034724**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.33900%
Loss on drying	0-0.5 (%)	0.25%
Purity(Iodometric Titration)	98-100 (%)	99.00%
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in H}_2\text{O})$	-19--16 (°)	-16.58°
Melting point	182-192 (°C)	191.98000 °C
Appearance (G105426)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , Colorless ,Clear ,50 mg/mL in H <sub>2</sub> O	pass	Pass



John Su  
QA & QC Manager