

## Certificate of Analysis

Date of Testing: 2022-11-26 17:14:52  
Date of Next Testing: 2026-11-25 17:14:52  
Product Name: **Glutathione (Reduced)**  
CAS Number: 70-18-8  
Specifications & Purity: 98%  
Lot #: K2224477  
SKU #: **G105426**  
**Analysis: 139358**  
Storage Temperature: Store at -20°C, Argon charged

| Parameter   | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Purity(HPLC)  | 98-100 (%)            | 99.71400%             |
| Melting point   | 182-192 (°C)          | 188.94000 °C          |
| Loss on drying  | 0-0.5 (%)             | 0.00%                 |
| Purity(Iodometric Titration)  | 98-100 (%)            | 99.33%                |
| Specific Rotation [α] <sub>20</sub> /D(c=2 in H <sub>2</sub> O)                 | -19--16 (°)           | -16.97°               |
| 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