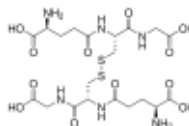


## Certificate of Analysis

Product Name:

L-Glutathione oxidized - BioXtra, ≥98%

**Product Number:** G6654  
**Batch Number:** WXBB4221V  
**Brand:** SIGMA  
**CAS Number:** 27025-41-8  
**Formula:** C<sub>20</sub>H<sub>32</sub>N<sub>6</sub>O<sub>12</sub>S<sub>2</sub>  
**Formula Weight:** 612.63 g/mol  
**Storage Temperature:** Store at 2 - 8 °C  
**Quality Release Date:** 13 NOV 2013  
**Recommended Retest Date:** NOV 2016



Test	Specification	Result
Appearance (Colour)	White	White
Appearance (Form)	Powder	Powder
Solubility (Colour)	Colorless	Colorless
Solubility (Turbidity)	Clear	Clear
0.1M, H <sub>2</sub> O @ 20 deg C		
Ammonia (NH <sub>4</sub> )	≤ 0.05 %	0.02 %
Residue on Ignition (Ash)	≤ 0.5 %	0.0 %
Sulfate	≤ 0.05 %	0.00 %
Insoluble Matter	≤ 0.1 %	0.1 %
Aluminium (Al)	≤ 0.0005 %	< 0.0005 %
Lead (Pb)	≤ 0.001 %	< 0.001 %
Phosphorus (P)	≤ 0.005 %	< 0.005 %
Calcium (Ca)	≤ 0.001 %	< 0.001 %
Magnesium (Mg)	≤ 0.0005 %	< 0.0005 %
Sodium (Na)	≤ 0.005 %	< 0.005 %
Copper	≤ 0.0005 %	< 0.0005 %
Iron (Fe)	≤ 0.0005 %	< 0.0005 %
Zinc (Zn)	≤ 0.0005 %	< 0.0005 %
Potassium (K)	≤ 0.005 %	< 0.005 %
Purity (HPLC)	≥ 98 %	100 %

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

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## Certificate of Analysis

**Product Number:** G6654  
**Batch Number:** WXBB4221V



Steven Chen, Manager  
Quality Control  
Wuxi, China CN

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at [Sigma-Aldrich.com](http://Sigma-Aldrich.com). For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.