



## Specification

### L-Glutathione, reduced, free acid

**CAS Number:** 70-18-8  
**Molecular Formula:** C<sub>10</sub>H<sub>17</sub>N<sub>3</sub>O<sub>6</sub>S  
**Molecular Weight:** 307.3  
**Storage:** 2°C - 8°C

Test	Specification
Appearance:	White crystalline powder
Odor and taste:	Almost odorless, sour taste
Arsenic (As):	≤ 2 ppm
Assay:	≥ 98.0 %
Heavy Metals :	≤ 10 ppm
Identification (IR):	Corresponds
Identification (Lead Acetate):	Positive
Identification (Ninhydrin):	Positive
Iron (Fe):	≤ 10 ppm
Loss on Drying:	≤ 0.5 %
Melting Point:	About 185 oC
Optical Rotation:	- 21 - -11 °
Residue on Ignition:	≤ 0.1 %
Solubility:	Soluble in water
Solution:	Clear solution

Approved:

John Grubb, PhD  
Gojira Fine Chemicals  
Quality Manager  
Tel: 440-252-5397, Fax: 888-211-5523  
[docsupport@gojirafc.com](mailto:docsupport@gojirafc.com)

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