

## Certificate of Analysis

Date of Testing:	2023-04-15 16:59:30
Date of Next Testing:	2026-04-14 16:59:30
Product Name:	<b>L-Glutathione reduced</b>
CAS Number:	70-18-8
Specifications & Purity:	BioReagent Plus, ≥98.0%
Lot #:	D2311649
SKU #	<b>L433357</b>
Version	<b>1</b>
<b>Analysis #:</b>	<b>213258</b>
Storage Temperature:	Store at 2-8°C

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	99.94 %
Insoluble matter	0-0.1 (%)	0.00 %
Aluminum(Al)	0-0.0005 (%)	0.00 %
Phosphorus (P)	0-0.005 (%)	0.00 %
Lead(Pb)	0-0.001 (%)	0.00 %
Iron(Fe)	0-0.0005 (%)	0.00 %
Copper(Cu)	0-0.0005 (%)	0.00 %
Zinc(Zn)	0-0.0005 (%)	0.00 %
Calcium(Ca)	0-0.02 (%)	0.00 %
Magnesium(Mg)	0-0.0005 (%)	0.00 %
Sodium(Na)	0-0.005 (%)	0.00 %
Potassium(K)	0-0.005 (%)	0.00 %
Ammonia (NH <sub>4</sub> )	0-0.05 (%)	0.00 %
Residue on ignition(Ash)	0-0.1 (%)	0.01000 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.05 (%)	0.02 %
Appearance(L433357)	white powder	White powder
Solubility in H <sub>2</sub> O, Clear colorless, 0.1 M water	pass	Pass
Infrared spectrum	conforms to structure	Conforms to Structure



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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager