

Certificate of Analysis

Product Name	L-Glutathione	Batch No.	L25T10153
CAS No.	70-18-8	MFG. Date	Oct 16, 2024
CAT No.	P300003	Retest Date	Oct 16, 2027
Items	Specification	Results	
Appearance	White crystals or crystalline powder	Confirms	
Identification A) Ninhydrin test B) Chromatographic identification C) IR identification	A) Positive B) Should be required C) Should be required	A) Positive B) Corresponds C) Corresponds	
Assay	≥ 98%	98.2%	
Specific rotation	-15.5°~-17.5°	-16.9°	
Melting point	183-187°C	185-187°C	
Transmittance	≥ 98%	98.7%	
Chloride	≤ 0.030%	<0.030%	
Ammonium	≤ 0.020%	<0.020%	
Sulfate	≤ 0.030%	<0.030%	
Iron	≤ 10 ppm	< 10 ppm	
Heavy metals(Pb)	≤ 10 ppm	< 10 ppm	
Arsenic(As)	≤ 1 ppm	< 1 ppm	
Sulfated ash	≤ 0.1%	0.03%	

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Items	Specification	Results
Other amino acids	Negative	Negative
Loss on drying	≤ 0.50%	0.28%
Residue on ignition	≤ 0.10%	0.01%
Conclusion	Corresponds.	
Storage Condition	In an air tight container, protected from light Short-term storage: 2-8 °C Long-term storage: -20 °C	

QC:

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QA:

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