

Certificate of Analysis

Product Name: L-Glutathione (Reduced)
INCI: Glutathione
Batch No: 5439876
Exp Date: January 2029

Test	Specs	Results
Appearance	White Crystalline Powder	Complies
Identification	Positive	Complies
Appearance of solution	Clear And Colorless	Complies
Loss on drying	≤0.5%	Complies
Ammonium (NH ₄)	≤200 ppm	Complies
Assay	98.0-101.0%	Complies
Specific Optical Rotation [alpha] _D	-15.5° to -17.5°	Complies
Solubility	Freely soluble in water, very slightly soluble in ethanol	Complies
Sulfates	≤300 ppm	Complies
Heavy Metals Total	≤10 ppm	Complies
Arsenic	≤1.0 ppm	Complies
Iron (Fe)	≤10 ppm	Complies
Chlorides	≤200 ppm	Complies
Related Substances		
Total	≤2.0%	Complies
GSSG	≤1.5%	Complies

Test	Specs	Results
Total Plate Count	≤1000 cfu/g	Complies
- Yeasts/Molds	≤100 cfu/g	Complies
- E coli / 10 g	Negative	Complies
- Coliforms	≤100 cfu/g	Complies
- Salmonella / 10 g	Negative	Complies
- Staphylococcus aureus / 10 g	Negative	Complies
Residue on Ignition	≤0.1%	Complies