

COSROMA®

Shanghai Cosroma Biotech Co., Ltd.

Add.: Room 202, Building No. 7, Xinjie Road No. 1, Songjiang District, Shanghai 201612, China.

T: +86-21-31125890 F: +86-21-31125890 E: info@cosroma.com W: www.cosroma.com

CERTIFICATE OF ANALYSIS

Trade Name:	Cosroma® GSH		Batch No.:	0122J010010120
INCI Name:	Glutathione		Manu. Date:	01/20/2022
Testing Standards:	In-house Standards		Retest Date:	01/19/2024

Items	Standards	Results
Appearance	White to off-white powder	Conform
Odor	Almost odorless	Conform
Clarity of 3% water solution	Shall be colorless, transparent and clear	Conform
pH	2.8-3.0	2.87
Optical rotation	-15.5° to -17.5°	-15.5°
Sulfated ash	≤0.1%	0.02%
Loss on drying	≤0.5%	0.273%
Assay	≥98.0%	98.39%
Total bacteria	<100 CFU/g	< 100 CFU/g
Yeast and mold	<10 CFU/g	< 10 CFU/g
Staphylococcus Aureus	Not allowed	Not detected
Pseudomonas Aeruginosa	Not allowed	Not detected
Thermotolerant Coliforms	Not allowed	Not detected
Cd	< 5 mg/kg	< 5 mg/kg
Hg	< 1 mg/kg	< 1 mg/kg
As	< 2 mg/kg	< 2 mg/kg
Pb	< 5 mg/kg	< 5 mg/kg
Conclusion:	Qualified	