



CERTIFICATE OF ANALYSIS

Product : **GLUTATHIONE REDUCED**
Product number : G1346
Batch number : 019408
Date of production : xx-02-2025
Date of expiry : 29-02-2028

Packaging and storage : store in a well-closed container, store dry at 2 – 30 °C

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white crystalline powder	complies		
Identification	conform	complies		IR, HPLC
Transmittance	≥ 98	complies	%	5% solution
Specific optical rotation	-17.5 – -15.5	-16.2	°	dried substance
Lead	≤ 3	complies	ppm	
Enzymatic activity	≥ 98.0	complies	%	
Heavy metals	≤ 10	complies	ppm	
Iron	≤ 10	complies	ppm	
Arsenic	≤ 1	complies	ppm	
Ammonium	≤ 200	complies	ppm	
Sulfate	≤ 300	complies	ppm	
Total impurities	≤ 2.0	0.31	%	HPLC
Residue on ignition	≤ 0.10	0.09	%	
Loss on drying	≤ 0.50	0.3	%	
Assay	≥ 98.0 – 101.0	99.0	%	dried substance

This certificate of analysis is conform the results of the manufacturer.

Conclusion: approved

Released by:

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Date: 29-07-2025

The buyer is responsible to test each batch to ensure the product is suitable for their specific purpose.

Duchefa Biochemie B.V.

