

## **CERTIFICATE OF ANALYSIS**

Product : GLUTATHIONE REDUCED

 Product number
 : G1346

 Batch number
 : 016364

 Date of production
 : xx-05-2021

 Date of expiry
 : 31-05-2024

Packaging and storage : store in a well-closed container, store at room temperature

Appearance	SPECIFICATION white crystalline powder	RESULT complies	UNITS	REMARKS
Identification	conform	complies		HPLC
Transmittance	≥ 98	complies	%	5% solution
Specific optical rotation	-17.515.5	-16.4	o	dried substance
pH	2.5 - 3.5	complies		5% water
Enzymatic activity	≥ 98.0	complies	%	o / o mater
Heavy metals	≤ 10	complies	ppm	Pb
Iron	≤ 1	complies	ppm	10
Arsenic	≤ 1	complies	ppm	
Ammonium	≤ 200	complies		
Sulfate	≤ 300	complies	ppm	
Total impurities	≤ 2.0	1.0	ppm %	HPLC
Residue on ignition	≤ 0.10	0.02	%	HPLC
Loss on drying	≤ 0.50	0.30	%	
Assay	≥ 98.0-101.0	99.0	70.T01	data da a bar
•	_ / 0.0 101.0	77.0	%	dried substance

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

Conclusion: approved

Released by:

drs. M. van Wissen, pharmacist

Department of Quality Control Duchefa B.V.

Date: 23-07-2021

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

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