

## CERTIFICATE OF ANALYSIS

Product : **GUANIDINE HYDROCHLORIDE**  
 Product number : G1375  
 Batch number : 014637  
 Date of manufacturing : 03-12-2018  
 Date of expiration : 31-12-2021

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

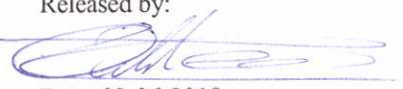
	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	colourless crystals	complies		
Appearance of solution	clear and colourless	complies		6 M in H <sub>2</sub> O
Melting point	185 – 188	186	°C	
Water	≤ 0.1	0.05	%	
Iron (Fe)	≤ 0.1	0.01	mg/kg	
Heavy metals (Pb)	≤ 10	complies	mg/kg	
Dicyandiamide	≤ 0.01	< 0.01	%	
Melamine	≤ 0.01	0.001	%	
Ammonium	≤ 0.01	< 0.01	%	
pH	4.5 – 7.0	5.1		6 M in H <sub>2</sub> O
UV-absorption (260 nm)	≤ 0.03	0.01		6 M in H <sub>2</sub> O
Assay	≥ 99.7	100.1	%	

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

Conclusion: approved

Released by:

drs. Q. de Hoog, pharmacist  
 Department of Quality Control Duchefa B.V.

  
 Date: 03-06-2019

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