

CERTIFICATE OF ANALYSIS

Product : **GUANIDINE HYDROCHLORIDE**
 Product number : G1375
 Batch number : 013091
 Date of manufacturing : xx-03-2017
 Date of expiration : 31-03-2020

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

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	colourless crystals	complies		
Appearance of solubility	clear and colourless	complies		6 M in H ₂ O
Melting point	185 – 188	186	°C	
Water	≤ 0.1	0.02	%	
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	5.0		6 M in H ₂ O
UV-absorption 260 nm	≤ 0.03	< 0.01		6 M in H ₂ O
UV-absorption 230 nm		0.05		6 M in H ₂ O
Protease		not detected	U/ml	0.1 M in H ₂ O
Phosphatase		not detected	U/ml	0.1 M in H ₂ O
DNase		not detected	U/ml	0.1 M in H ₂ O
RNase		not detected	U/ml	0.1 M in H ₂ O
Assay	≥ 99.7	99.9	%	

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: 26-07-2017



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