

CERTIFICATE OF ANALYSIS

Product : **GUANIDINE HYDROCHLORIDE**
 Product number : G1375
 Batch number : 013729
 Date of manufacturing : xx-12-2017
 Date of expiration : 31-12-2020

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	0.06	%	
Iron (Fe)	≤ 0.1	< 0.01	mg/kg	
Heavy metals (Pb)	≤ 10	complies	mg/kg	
Dicyandiamide	≤ 0.01	< 0.01	%	
Melamine	≤ 0.01	0.002	%	
Ammonium	≤ 0.01	< 0.01	%	
pH	4.5 – 7.0	4.7		6 M in H ₂ O
UV-absorption 260 nm	≤ 0.03	0.02		6 M in H ₂ O
UV-absorption 230 nm		0.08		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:

p/v

drs. M. van Wissen, pharmacist
 Department of Quality Control Duchefa B.V.

Date: 25-04-2018

S. de Bree

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