

## CERTIFICATE OF ANALYSIS

Product : **HEPES**  
**(4-(2-Hydroxyethyl)-1-piperazineethanesulfonic acid)**

Product number : H1504

Batch number : 015657

Date of analysis : 23-06-2020

Date of expiry : 30-06-2025

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

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	white coarse powder	complies		
Appearance of solution	clear and colourless	complies		
Moisture content	≤ 1.0	0.22	%	120 °C
UV-absorbance	conform	complies		
- 260 nm	≤ 0.1	0.023		
- 280 nm	≤ 0.07	0.017		
Sulphates	≤ 0.05	complies	%	
Heavy Metals	≤ 10.0	complies	ppm	
pH	5.0 – 6.5	5.20		1% in H <sub>2</sub> O
Iron	≤ 5	complies	ppm	
Assay	≥ 99.5	100.01	%	dried substance

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

Conclusion: approved

Released by:



drs. J. van der Eem, pharmacist  
Department of Quality Control Duchefa B.V.

Date: 07-08-2020

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

Duchefa Biochemie B.V.