

## CERTIFICATE OF ANALYSIS

Product : **MINOCYCLINE HYDROCHLORIDE**  
 Product number : M0172  
 Batch number : 014809  
 Date of production : 03-07-2018  
 Date of analysis : 03-07-2018  
 Date of expiry : 28-02-2021

Packaging and storage : store at 2 – 8 °C, protected from light

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	yellow crystalline powder	complies		
Identification	conform	complies		
Appearance of solution	clear and absorption $\leq 0.23$	0.15		0.1% H <sub>2</sub> O, 450 nm
pH	3.5 – 4.5	4.0		1% in H <sub>2</sub> O
Related substances	conform	complies		HPLC
Residue on ignition	$\leq 0.5$	0	%	
Water	5.0 – 8.0	7.7	%	Karl Fischer
Assay	94.5 – 102.0	99.5	%	anhydrous

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: 28-08-2019

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