

CERTIFICATE OF ANALYSIS

Product : **CHLORTETRACYCLINE HYDROCHLORIDE**
 Product number : C0116
 Batch number : 010994
 Date of analysis : 23-01-2015
 Expiry date : 30-04-2018

Packaging and storage : store in a well-closed container, protected from light

	SPECIFICATION	RESULT	UNITS	REMARKS
Appearance	yellow powder	complies		
Solubility	slightly soluble in water and alcohol, soluble in solutions of alkali hydroxides and carbonates	complies		
Identity:				
- C (chloride)	conform	complies		
- D (HPLC)	conform	complies		
pH	2.3 – 3.3	2.8		1% in H ₂ O
Specific optical rotation	-235 – -250	-242	°	0.25% in H ₂ O, dried substance
Absorbance	≤ 0.40	0.18		E ₄₆₀ , 0.5% in H ₂ O
Related substances	conform	complies		HPLC
Heavy metals	≤ 50	complies	ppm	
Water	≤ 2.0	0.3	%	Karl Fischer
Sulphated ash	≤ 0.5	0.0	%	
Assay:				HPLC, dried substance
- tetracycline HCl	≤ 6.0	4.3	%	
- chlortetracycline HCl	≥ 89.5	91.0	%	
- Σ chlortetracycline HCl and tetracycline HCl	94.5 – 100.5	95.3	%	

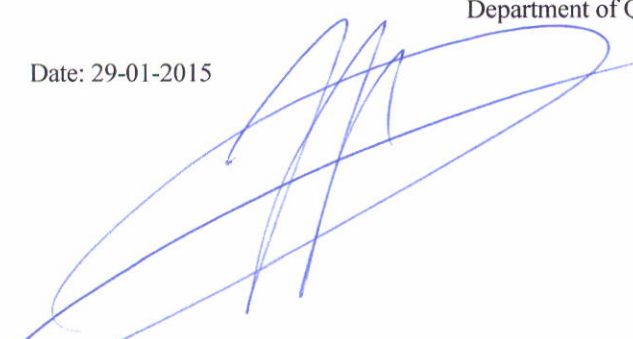
This certificate of analysis is conform the results of the supplier.

Conclusion: approved

Released by:

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

Date: 29-01-2015

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