



Version
Molecular weight
Molecular Formula
CAS No
Linear Formula
Flash Point (°C)

00
515.33
C22 H23 Cl N2 O8 . H Cl
64-72-2

Certificate of Analysis

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Catalog Number	43096	Quality Test / Release Date	01/24/2024
Lot Number	A0459448	Suggested retest date	01/24/2029
Description	Chlortetracycline hydrochloride, specified according to the requirements of Ph.Eur.		
Country of Origin	CHINA		
Declaration of Origin	other		

BSE/TSE	
Chemical	

Result name	Specifications	Test Value
Appearance (Color)	Yellow	Yellow
Appearance (Form)	Powder	Powder
Infrared spectrum	Conforms	Conforms
Assay	94.5 to 102.0 % (Sum of the contents of	98.3 % (Sum of the contents of
Assay	chlortetracycline hydrochloride and	chlortetracycline hydrochloride and
Assay	tetracycline hydrochloride, on dry substance)	tetracycline hydrochloride, on dry substance)
Assay	>=89.5 % Chlortetracycline hydrochloride,	93.9 % Chlortetracycline hydrochloride,
Assay	On dry substance	On dry substance
Assay	=<8 % Tetracycline hydrochloride, On dry subst.	4.4 % Tetracycline hydrochloride, On dry subst.
pH	2.3 to 3.3 (1 % in water CO2 free)	2.7 (1 % in water CO2 free)
Specific optical rotation	-235° to -250° (20°C, 589 nm) (C=0.25, Water)	-242° (20°C, 589 nm) (C=0.25, Water)
Specific optical rotation	On dry substance	On dry substance
Absorbance	=<0.40 (460 nm)	0.24 (460 nm)
Water	=<2.0 %	0.3 %
Sulfated ash	=<0.5 %	0.009 %
Heavy metals (as Pb)	=<50 ppm	=<50 ppm
Identification	Passes test	Passes test

C. Wygaerts, QA Manager

Issued: 01-25-2024

Acros Organics BV
ENA23, zone1, nr 1350, Janssen Pharmaceuticaaan 3a, B-2440 Geel, Belgium
Tel +32 14/57.52.11 - Fax+32 14/59.34.34 Internet: <https://www.thermofisher.com>
1 Reagent Lane, Fair Lawn, NJ 07410, USA Fax 201-796-1329