



Product:

Minocycline Hydrochloride

Batch no .:

05NY01.HQ01364

Retest Date:

February 2025

Manufacturing Date: February 2023

TEST	REF.	SPE	ECIFICATION	RESULT
Description:	Ph. Eur. Monograph	Yellow powder		Conforms
Crystallinity:	USP, Monograph	The product is crystalline		Conforms
Solubilities:	Ph. Eur. Monograph	dissolves in solutions of alk	slightly soluble in ethanol (96%). It all hydroxides and carbonates	Conforms
Identification (by IR):	Ph. Eur. Monograph	Conforms to the spectrum of after drying 2 hours, at 100°	of the minocycline hydrochloride CRS	( Conforms
Chloride:	Ph. Eur. Monograph	Positive to reaction a)	*	Conforms
Appearance of solution:	Ph. Eur. Monograph	A 0.1 % w/v solution in water		Conforms
Absorbance (at 450 nm):	Ph. Eur. Monograph	Not more than 0.23 (1 cm c	ell, 0.1% w/v solution in water)	0.15
ight-absorbing impurities:	Ph. Eur. Monograph	Not more than 0.06 at 560 r	nm (1 % w/v solution in water)	0.03
oH:	Ph. Eur. Monograph	Not less than 3.5 and not n	nore than 4.5 (1 % w/v in water)	3.9
Water:	Ph. Eur. Monograph	Not less than 5.0 % w/w an	nd not more than 8.0 % w/w (200 mg)	7.5 % w/w
Residue on ignition:	Ph. Eur. Monograph	Not more than 0.15 % w/w (	(1 g; 600°C; constant weight)	0.00 % w/w
Related substances (by HPLC):				
Ph. Eur. Impurity A	Ph. Eur. Monograph	Not more than 1.2 % w/w		0.8 % w/w
Ph. Eur. Impurity B	Ph. Eur. Monograph	Not more than 0.8 % w/w		0.10 % w/w
Ph. Eur. Impurity C	Ph. Eur. Monograph	Not more than 0.6 % w/w		0.05 % w/w
Ph. Eur. Impurity E	Ph. Eur. Monograph	Not more than 0.6 % w/w		0.06 % w/w
Ph. Eur. Impurity F	Ph. Eur. Monograph	Not more than 0.5 % w/w		0.29 % w/w
Ph. Eur. Impurity G	Ph. Eur. Monograph	Not more than 0.5 % w/w		0.19 % w/w
Ph. Eur. Impurity H	Ph. Eur. Monograph	Not more than 0.3 % w/w		0.08 % w/w
Impurity with RRT 0.85	Ph. Eur. Monograph	Not more than 0.50 % w/w		0.16 % w/w
Impurity at RRT 0.88	CRLC059 034	Not more than 0.15 % w/w		0.05 % w/w
Impurity with RRT 1.13	Ph. Eur. Monograph	Not more than 0.40 % w/w		0.11 % w/w
Any unspecified impurity	Ph. Eur. Monograph	Not more than 0.10 % w/w		Less than 0.05 %
Total Impurities	Ph. Eur. Monograph	Not more than 3.5 % w/w		1.8 % w/w
Assay (by HPLC):	Ph. Eur. Monograph	from Epin may Pour Arrest	and not more than 102.0 % w/w ,	97.7 % w/w
Residual solvents (by GC):		Cardinates with reservoises to	the uniferous substance	
Isopropyl alcohol	CRGC1746_004	Not more than 1000 ppm		431 ppm
The batch number 05NY01.H	O01364 of Minocyclin	ae Hudrochloride hae	Approved by:	
peen tested as above and co				
specifications.			Quality Cor	trol
Storage conditions: Well	closed and light resist	ant containers; store belov	v 25°C and 60% RH	
The hatch was manufactured	according to Co!	Monufo eturis -	Released by:	
	according to Good I	Manufacturing	Released by:	
The batch was manufactured Practices.	according to Good	Manufacturing		4.May.2023 11:43:4

This document has been signed electronically in compliance with 21CFR Part 11.

Printed on: 13.Jul.2023 14:20:48 By: João Carlos Loureiro

110659951, 109877184

Reference:

Manufacturing Site: Hovione FarmaCiencia SA Sete Casas, 2674-506 Loures, Portugal; Tel: +351 21 982 93 85 · Fax: +351 21 982 93 88 www.hovione.com

Page 1 of 2

**METAPHARMACEUTICAL** 

N DE LOTE: 0041023

GQSP5133.3 V\_NORMAL



## **CERTIFICATE OF ANALYSIS**

Product:

Minocycline Hydrochloride

Batch no.:

05NY01.HQ01364

Retest Date:

February 2025

Manufacturing Date :

February 2023

- Corda	) 2020	wanutacturing Date : February 2023	
TEST	REF.	SPECIFICATION	RESULT
Dichloromethane	CRGC1746_006	Not more than 100 ppm	Less than 64 ppm
Hexane	CRGC1746_005	Not more than 290 ppm	
Content of (by ICP):		у при	Less than 42 ppm
Palladium	AA001837_036	Not more than 10 ppm (skip testing to be performed at least every 5 batches)	Conforms
Rhodium	AA001837_037	Not more than 10 ppm (skip testing to be performed at least every 5 batches)	Conforms
Content of (by HPLC-MS) N- Nitroso-7-monomethylamino-6- deoxytetracycline:	CRLC5750_001	Not more than 0.2 ppm	Conforms
_=			
The batch number 05NY01.HQ0	1364 of Minocyclin	Approved by:	

e batch number 05NY01.HQ01364 of Minocycline Hydrochloride has been tested as above and conforms to the latest EP and Hovione specifications.

Antonio Carlos Silva

17.May.2023 17:57:03

**Quality Control** 

Storage conditions :

Well closed and light resistant containers; store below 25°C and 60% RH

The batch was manufactured according to Good Manufacturing Practices.

Released by:

Vera Stepanyk

24.May.2023 11:43:43

**Quality Assurance** 

Reference:

110659951, 109877184

GQSP5133.3 V\_NORMAL

This document has been signed electronically in compliance with 21CFR Part 11.

Printed on: 13.Jul.2023 14:20:48 By: João Carlos Loureiro

Manufacturing Site: Hovione FarmaCiencia SA Sete Casas, 2674-506 Loures, Portugal; Tel: +351 21 982 93 85 · Fax: +351 21 982 93 88 www.hovione.com

Page 2 of 2