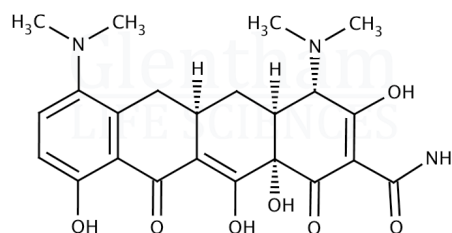


## Certificate of Analysis

Product Name Minocycline hydrochloride  
Glentham Code GA7395  
CAS Number 13614-98-7  
EINECS 237-099-7  
Numéro MDL MFCD00083669  
CAS supplémentaire 10118-90-8 (base)  
PubChem SID 310277252  
Batch Number 402YJK

Molecular Weight 493.94 (anhydrous)  
Molecular Formula  $C_{23}H_{27}N_3O_7 \cdot HCl \cdot xH_2O$   
Storage Temp. +4°C

HCl



| Property                | Specification                                                                                   | Batch 402YJK              |
|-------------------------|-------------------------------------------------------------------------------------------------|---------------------------|
| Physical Description    | Yellow crystalline powder                                                                       | Yellow crystalline powder |
| Identification (IR)     | To conform to standard                                                                          | Conforms                  |
| pH                      | 3.5 - 4.5 (10mg C <sub>23</sub> H <sub>27</sub> N <sub>3</sub> O <sub>7</sub> / ml)             | 4.3                       |
| Water                   | 4.3 - 8.0 %                                                                                     | 7.1%                      |
| Residue on Ignition     | ≤ 0.15%                                                                                         | 0.04%                     |
| Heavy Metals            | ≤ 50ppm                                                                                         | 12ppm                     |
| Any Individual Impurity | ≤ 1.2%                                                                                          | 0.1%                      |
| Total Impurities        | ≤ 2.0%                                                                                          | 1.2%                      |
| Potency                 | 890 - 950 µg/mg (C <sub>23</sub> H <sub>27</sub> N <sub>3</sub> O <sub>7</sub> , anhydrous)     | 930µg/mg                  |
| Assay                   | 96.0 - 102.5 % (C <sub>23</sub> H <sub>27</sub> N <sub>3</sub> O <sub>7</sub> · HCl, anhydrous) | 97.4%                     |

Specification Version v1.1  
Manufacture Date 2025-01-12  
Re-Test Date 2033-03-26

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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