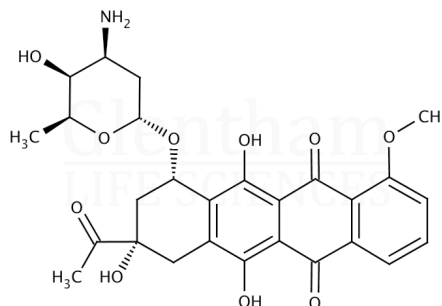


## Certificate of Analysis

Product Name Daunorubicin hydrochloride, EP grade  
Glentham Code GA7448  
CAS Number 23541-50-6  
EINECS 245-723-4  
Numéro MDL MFCD04974507  
Batch Number 992MUH

Molecular Weight 563.98  
Molecular Formula  $C_{27}H_{29}NO_{10} \cdot HCl$   
Storage Temp. +4°C



| Property                       | Specification                       | Batch 992MUH                  |
|--------------------------------|-------------------------------------|-------------------------------|
| Physical Description           | Orange-red crystalline powder       | Orange-red crystalline powder |
| Identification                 | A, B according to Ph. Eur.          | Conforms                      |
| Solubility                     | According to Ph. Eur.               | Conforms                      |
| pH                             | 4.5 - 6.5 None (50mg in 10ml water) | 6.5                           |
| Butanol                        | ≤ 1.0%                              | 0.1%                          |
| Impurities                     | According to Ph. Eur.               | Conforms                      |
| Total Impurities               | ≤ 1.5%                              | 1.4%                          |
| Water                          | ≤ 3.0%                              | 1.8%                          |
| Assay (anhydrous basis)        | 95.0 - 102.0 %                      | 98.3%                         |
| Pharmacopoeia Specification(s) | Ph. Eur.                            | Conforms                      |

Specification Version v1.1  
Manufacture Date 2024-09-17  
Re-Test Date 2034-11-06

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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