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## Certificate of Analysis

Product Name Doxorubicin hydrochloride, USP grade
Glentham Code GA4969
CAS Number 25316-40-9
EINECS 246-818-3
MDL Number MFCD00077757
Additional CAS 23214-92-8 (base)

Batch Number 984CKF

Molecular Weight 579.99

 $\text{Molecular Formula} \qquad \qquad \text{C}_{27}\text{H}_{29}\text{NO}_{11} \cdot \text{HCI}$ 

Storage Temp. +4°C

HCI

Property	Specification	Batch 984CKF
Physical Description	Orange-red to red crystalline powder	Red crystalline powder
Assay	≥ 98.0% (anhydrous, solvent-free)	99.4%
Total Impurities	≤ 2.0%	Conforms
Acetone	≤ 0.5%	0.3%
Acetone and Alcohol	≤ 2.5%	1.2%
рН	4.0 - 5.5 (5mg/ml in water)	5.4
Water	≤ 4.0%	2.2%
Pharmacopoeia Specification(s)	USP	Conforms to USP

Specification Versionv1.0Manufacture Date2021-11-02Re-Test Date2028-05-06

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 or contact us using the details above for the current version of this document.

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