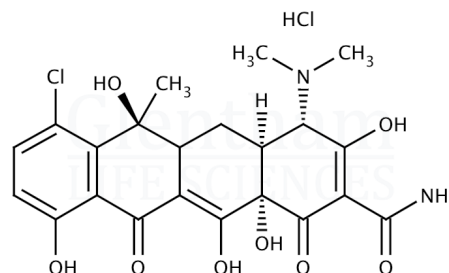


Certificate of Analysis

Product Name Chlortetracycline hydrochloride
Glenthams Code GA8098
CAS Number 64-72-2
EINECS 200-591-7
MDL Number MFCD00082440
Additional CAS 57-62-5
PubChem SID 310270147
Batch Number 472HCl

Molecular Weight 515.34
Molecular Formula $C_{22}H_{23}ClN_2O_8 \cdot HCl$
Storage Temp. -20°C



Property	Specification	Batch 472HCl
Physical Description	Yellow powder	Yellow powder
Solubility (5% in 1M NaOH)	Clear, yellow to dark yellow-brown solution	Conforms
pH (1% in water)	2.3 - 3.3	2.47
Specific Optical Rotation ($[\alpha]_{20/D}$)	-235 - -250 ° (c=0.25, water)	-247°
Loss on Drying	≤ 2.0%	0.46%
Tetracycline hydrochloride	≤ 8.0%	4.52%
Assay	≥ 89.5% (Chlortetracycline HCl, anhydrous)	92.34%

Specification Version v1.1
Manufacture Date 2020-06-22
Re-Test Date 2029-10-27

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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