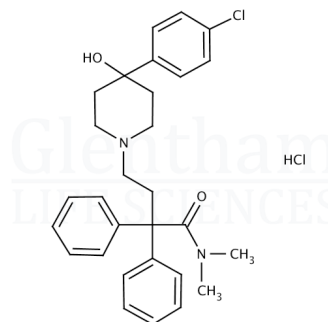


## Certificate of Analysis

Product Name Loperamide hydrochloride, USP  
Glentham Code GP1953  
CAS Number 34552-83-5  
EINECS 252-082-4  
MDL Number MFCD00058581  
Additional CAS 53179-11-6 (base)  
Batch Number 825HYX

Molecular Weight 513.51  
Molecular Formula  $C_{29}H_{33}ClN_2O_2 \cdot HCl$   
Storage Temp. +20°C



Property	Specification	Batch 825HYX
Physical Description	White to almost white powder	White powder
Identification (IR)	To conform to standard	Conforms
Identification	To pass test B according to USP	Conforms
Residue on Ignition	≤ 0.2%	≤ 0.1%
Loss on Drying	≤ 0.5%	0.2%
Organic Impurities	According to USP	Conforms
Total Impurities	≤ 0.3%	≤ 0.1%
Assay (HPLC)	98.0 - 102.0 % (on dried basis)	99.2%
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version v1.0  
Manufacture Date 2023-06-07  
Re-Test Date 2031-07-29

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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