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## Certificate of Analysis

Product Name Naltrexone hydrochloride, Ph. Eur. grade

 Glentham Code
 GP1217

 CAS Number
 16676-29-2

 EINECS
 240-723-0

 MDL Number
 MFCD00069324

 PubChem SID
 310277441

 Batch Number
 742HUC

Molecular Weight 377.86

Storage Temp. +4°C

HO OHUI

HCI

Property	Specification	Batch 742HUC
Physical Description	White or almost white powder	Almost white powder
Identification	According to EP	Conforms
Solubility	2% in water: Clear, colourless solution	Conforms
Acidity and Alkalinity	According to EP	Conforms
Specific Optical Rotation	-187195 °	-190.7°
Related Substances	According to EP	Any Individual Impurity: 0.05% (max); Total Impurities: 0.09%
Ethanol	≤ 3.0%	Conforms
Water	≤ 10.0%	7.5%
Sulphated Ash	≤ 0.1%	0.03%
Assay	98.0 - 102.0 %	100.5%
Pharmacopoeia Specification(s)	EP	Conforms

Specification Version v1.0

Manufacture Date 2018-02-22

Re-Test Date 2027-03-20

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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