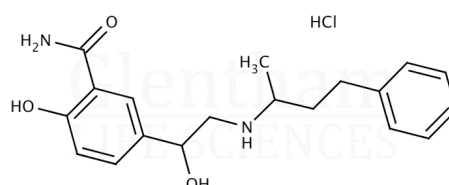


## Certificate of Analysis

Product Name Labetalol hydrochloride  
Glentham Code GP7675  
CAS Number 32780-64-6  
EINECS 251-211-1  
MDL Number MFCD00057663  
PubChem SID 310275655  
Batch Number 155YZD

Molecular Weight 364.87  
Molecular Formula  $C_{19}H_{24}N_2O_3 \cdot HCl$   
Storage Temp. +4°C



| Property                 | Specification                | Batch 155YZD |
|--------------------------|------------------------------|--------------|
| Physical Description     | White or almost white powder | White powder |
| Solubility (1% in water) | Clear, colourless solution   | Conforms     |
| pH (1% in water)         | 4.0 - 5.0                    | 4.5          |
| Heavy Metals (as Pb)     | ≤ 20ppm                      | Conforms     |
| Sulphated Ash            | ≤ 0.1%                       | 0.06%        |
| Loss on Drying           | ≤ 1.0%                       | 0.6%         |
| Assay                    | 98.5 - 101.0 % (dried basis) | 99.5%        |

Specification Version v1.0  
Manufacture Date 2016-12-20  
Re-Test Date 2028-06-01

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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