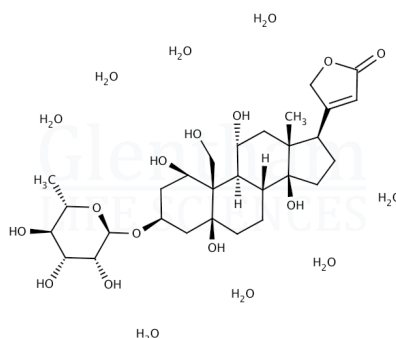


## Certificate of Analysis

Product Name Ouabain octahydrate, EP grade  
Glentham Code GC9218  
CAS Number 11018-89-6  
EINECS 211-139-3  
MDL Number MFCD00149240  
PubChem SID 310278396  
Additional CAS 630-60-4  
Batch Number 567FHW

Molecular Weight 728.78  
Molecular Formula  $C_{29}H_{44}O_{12} \cdot 8H_2O$   
Storage Temp. +20°C



Property	Specification	Batch 567FHW
Physical Description	A white or almost white, crystalline powder or colourless crystals	White crystalline powder
Identification	A, B, C, D according to EP	Conforms
Solubility (1% in water)	Clear, colourless solution	Conforms
Specific Optical Rotation	-30.0 - -33.0 ° (c=1, water, anhydrous basis)	-31.1 °
Related Substances (TLC)	To pass test	Conforms
Alkaloids and Strophanthin-K	To pass test (no ppt. formed)	Conforms
Water	18.0 - 22.0 %	18.5%
Sulphated Ash	≤ 0.1%	Conforms
Purity (HPLC)	≥ 96.0%	98.3%
Assay	96.0 - 104.0 % (anhydrous substance)	101.2%
Pharmacopoeia Specification(s)	EP	Conforms

Specification Version v1.0  
Manufacture Date 2021-10-20  
Re-Test Date 2027-11-17

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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