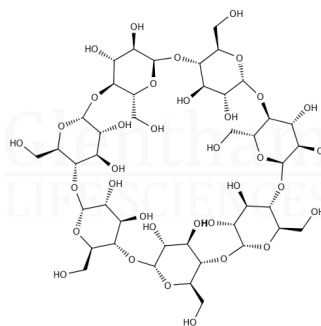


## Certificate of Analysis

Product Name beta-Cyclodextrin  
Glentham Code GC8805  
CAS Number 7585-39-9  
EINECS 231-493-2  
MDL Number MFCD00078139  
Additional CAS 68168-23-0  
Batch Number 123EHS

Molecular Weight 1134.98  
Molecular Formula  $C_{42}H_{70}O_{35}$   
Storage Temp. -20°C



Property	Specification	Batch 123EHS
Physical Description	White to almost white powder	White powder
Solubility (1% in water)	Clear, colourless solution	Clear, colorless solution
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	+159 - +165 ° (c=1, water)	+161 °
Heavy Metals	≤ 10ppm	5ppm
Loss on Drying	≤ 16.0%	12.6%
Purity	≥ 98.0% (anhydrous basis)	98.4%

Specification Version v1.1  
Manufacture Date 2023-01-15  
Re-Test Date 2031-03-07

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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