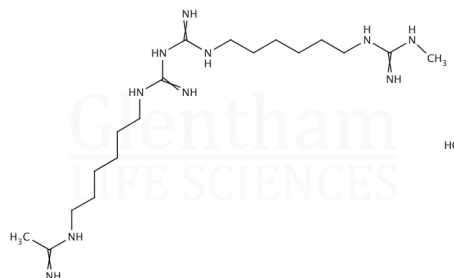


Certificate of Analysis

Product Name Poly(hexamethylenebiguanide)
hydrochloride, 20% solution
Glentham Code GK5012
CAS Number 32289-58-0
Batch Number 293NFQ

Molecular Weight $(183.25)n \cdot x(36.46)$
Molecular Formula $(C_8H_{17}N_5)_n \cdot x(HCl)$
Storage Temp. +20°C



Property	Specification	Batch 293NFQ
Physical Description	Clear to slightly turbid, colourless to light-yellow solution	Clear, light-yellow solution
Assay (solids)	19 - 21 %	Conforms
pH	6 - 8	6.78
Absorption Ratio	1.2 - 1.6 (237nm/222nm)	1.512
Absorption	≥ 400 au (234nm, E1%, 1cm)	645.15au

Specification Version v1.1
Manufacture Date 2025-03-21
Re-Test Date 2032-03-19

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025