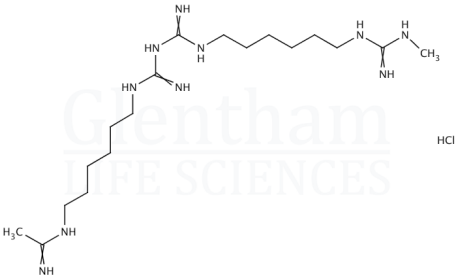


Certificate of Analysis

Product Name	Poly(hexamethylenebiguanide) hydrochloride, 20% solution
Glentham Code	GK5012
CAS Number	32289-58-0
Batch Number	417MSA
Molecular Weight	(183.25)n·x(36.46)
Molecular Formula	(C ₈ H ₁₇ N ₅)n·x(HCl)
Storage Temp.	+20°C



Property	Specification	Batch 417MSA
Physical Description	Clear to slightly turbid, colourless to light-yellow solution	Slightly turbid, light-yellow solution
Assay (solids)	19 - 21 %	Conforms
pH	6 - 8	6.58
Absorption Ratio	1.2 - 1.6 (237nm/222nm)	1.37
Absorption	≥ 400au (234nm, E1%, 1cm)	Conforms

Specification Version	v1.1
Manufacture Date	2022-10-26
Re-Test Date	2029-10-19

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.

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