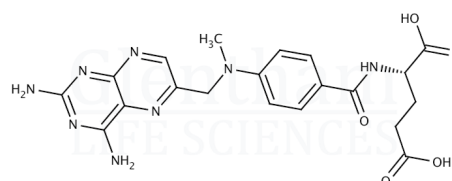


Product Specification

Product Name	Methotrexate hydrate, USP grade
Glentham Code	GA8916
CAS Number	133073-73-1
MDL Number	MFCD00150847
Additional CAS	59-05-2
Molecular Weight	454.44 (anhydrous)
Molecular Formula	$C_{20}H_{22}N_8O_5 \cdot xH_2O$
Storage Temp.	-20°C



Property	Specification
Physical Description	Yellow to dark yellow-orange powder
Identification (IR)	To conform to standard
Identification (UV)	To conform to standard
Related Substances	To pass USP limits
Any Unspecified Impurity	≤ 0.10%
Total Impurities	≤ 1.0%
Enantiomeric Purity	≤ 3.0%
Water	≤ 12.0%
Residue on Ignition	≤ 0.1%
Assay (anhydrous basis)	98.0 - 102.0 %
Residual Solvents	To conform to requirements of USP
Pharmacopoeia Specification(s)	USP

Specification Version	-	v1.0
Date Created	-	2020-09-08

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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