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## **Product Specification**

Product Name Methotrexate hydrate, USP grade

Glentham Code GA8916
CAS Number 133073-73-1
MDL Number MFCD00150847

Additional CAS 59-05-2

 $\begin{array}{ll} \mbox{Molecular Weight} & \mbox{454.44 (anhydrous)} \\ \mbox{Molecular Formula} & \mbox{$\rm C$}_{20}\mbox{$\rm H$}_{22}\mbox{$\rm N$}_8\mbox{$\rm O$}_5\cdot\mbox{$\rm xH$}_2\mbox{$\rm O$} \end{array}$ 

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 To pass USP limits Related Substances Any Unspecified Impurity ≤ 0.10% **Total Impurities** ≤ 1.0% **Enantiomeric Purity** ≤ 3.0% Water ≤ 12.0% Residue on Ignition ≤ 0.1% 98.0 - 102.0 % Assay (anhydrous basis) To conform to requirements of USP Residual Solvents 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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