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Product Specification

Product Name Metformin hydrochloride, EP grade Glentham Code GP1221 **CAS Number** 1115-70-4 **EINECS** 214-230-6 MDL Number MFCD00012582 Additional CAS 657-24-9 165.62 Molecular Weight Molecular Formula $C_4H_{11}N_5 \cdot HCI$ +20°C Storage Temp.

$$HN$$
 H_2N
 H_N
 H_N
 CH_3
 CH_3

HCI

Property Specification Physical Description White or almost white crystals Melting Point 222 - 226 °C Identification (IR) To conform to standard Identification To pass tests C, D, E Solubility (10% in water) Clear, colourless solution Impurity F ≤ 0.05% Impurity A ≤ 0.02% ≤ 0.05% Any Unspecified Impurity **Total Impurities** ≤ 0.2% Heavy Metals ≤ 10ppm ≤ 0.5% Loss on Drying Sulphated Ash ≤ 0.1% 98.5 - 101.0 % (dried substance) Assay ΕP Pharmacopoeia Specification(s)

Specification Version - v1.0

Date Created - 2018-10-08

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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