

Molecular Formula

Storage Temp.

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Certificate of Analysis

Product Name Lactose, anhydrous, Ph. Eur., USP grade Glentham Code GC1111 **CAS Number** 63-42-3 **FINECS** 200-559-2 MDL Number MFCD00151251 Additional CAS 64044-51-5 Additional CAS 10039-26-6 Additional CAS 14641-93-1 Additional CAS 5989-81-1 Batch Number 039QUN 342.30 Molecular Weight

> C₁₂H₂₂O₁₁ +20°C

Property Specification Batch 039QUN Physical Description White or almost white crystalline powder White crystalline powder Identification According to Ph. Eur., USP Conforms Solubility (10% in water) Clear, colourless solution (boiling water) Clear, colourless solution Acidity or Alkalinity ≤ 0.4ml (of 0.1M NaOH) Conforms +54.4 - +55.9 ° (anhydrous substance) +54.5° Specific Optical Rotation 0.03 Absorbance ≤ 0.04 (400nm) ≤ 0.07 (270 - 300 nm) 0.01 ≤ 0.25 (210 - 220 nm) 0.05 Heavy Metals Conforms ≤ 5ppm Water ≤ 1.0% 0.2% Loss on Drying ≤ 0.5% 0.1% Residue on Ignition ≤ 0.1% 0.03% **Total Aerobic Microbial Count** ≤ 100CFU/g ≤ 10CFU/g Total Combined Yeast and Mould Count ≤ 50CFU/g ≤ 10CFU/g E. Coli Abent in 10g Conforms 99.9% Assay (GC) ≥ 99.5% (C12H22O11) Conforms to Ph. Eur., USP Conforms Pharmacopoeia Specification(s)

Specification Version v1.1

Manufacture Date 2023-10-25

Re-Test Date 2031-01-08

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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