## **Glentham** LIFE SCIENCES

Glentham Life Sciences Ltd Unit 5 Leafield Way Corsham SN13 9SW United Kingdom

- t: +44 (0) 1225 667 798
- f: +44 (0) 2033 978 909
- e: info@glentham.com

w: www.glentham.com

## **Product Specification**

Product Name Glentham Code CAS Number EINECS MDL Number Additional CAS	Metoprolol tartrate, EP grade GP9016 56392-17-7 260-148-9 MFCD00056257 51384-51-1	
Molecular Weight Molecular Formula Storage Temp.	684.82 (C <sub>15</sub> H <sub>25</sub> NO <sub>3</sub> )2 · C <sub>4</sub> H <sub>6</sub> O <sub>6</sub> +20°C	H <sub>3</sub> C <sub>0</sub>

Property	Specification
Physical Description	White or almost white crystalline powder, or colourless crystals
Identification (IR)	To conform to standard
Specific Optical Rotation	+7.0 - +10.0 ° (c=2, water)
Solubility (2% in water)	Clear solution, colour: ≤ B8
pH (2% in water)	6.0 - 7.0
Impurities M, N, O (TLC)	To pass EP tests (a) $\leq 0.5\%$ , (b) $\leq 0.2\%$
Impurities A, B, C, D, E, F, G, H, J (HPLC)	≤ 0.30% (each)
Any Individual Impurity (HPLC)	≤ 0.10%
Total Impurities (HPLC)	≤ 0.50%
Sulphated Ash	≤ 0.1%
Loss on Drying	≤ 0.5%
Assay	99.0 - 100.5 % (dried substance)
Pharmacopoeia Specification(s)	EP

Specification Version	-	v1.0
Date Created	-	2018-06-13

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025