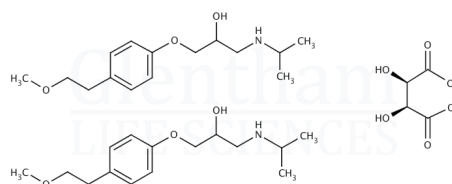


Certificate of Analysis

Product Name	Metoprolol tartrate
Glentham Code	GP2424
CAS Number	56392-17-7
EINECS	260-148-9
MDL Number	MFCD00056257
PubChem SID	310277223
Additional CAS	51384-51-1
Batch Number	432III
Molecular Weight	684.82
Molecular Formula	$(C_{15}H_{25}NO_3)_2 \cdot C_4H_6O_6$
Storage Temp.	+20°C



Property	Specification	Batch 432III
Physical Description	White or almost white crystalline powder	White crystalline powder
Solubility (5% in water)	Clear, colourless solution	Conforms
Residue on Ignition	≤ 0.1%	0.02%
Loss on Drying	≤ 1.0%	0.19%
Assay	98.0 - 102.0 % (dried basis)	100.3%

Specification Version	v1.0
Manufacture Date	2018-04-01
Re-Test Date	2028-06-20

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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