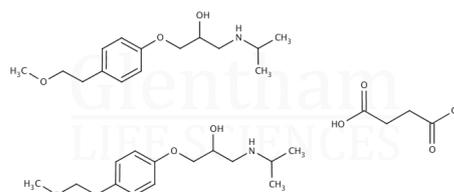


Certificate of Analysis

Product Name	Metoprolol succinate, USP grade
Glentham Code	GX8301
CAS Number	98418-47-4
MDL Number	MFCD07391179
Batch Number	346HPU
Molecular Weight	652.82
Molecular Formula	$C_{30}H_{50}N_2O_6 \cdot C_4H_6O_4$
Storage Temp.	+20°C



Property	Specification	Batch 346HPU
Physical Description	White to off-white powder	White powder
Identification	According to USP	Conforms
Appearance of Solution	To pass test	Conforms
pH	7.0 - 7.6 (65mg/ml)	7.5
Residue on Ignition	≤ 0.1%	Conforms
Organic Impurities	Any Individual (TLC): ≤ 0.2%	Conforms
	Any Individual (HPLC): ≤ 0.1%	0.0
	Total (HPLC): ≤ 0.5%	≤ 0.1
Loss on Drying	≤ 0.2%	≤ 0.1%
Assay	98.0 - 102.0 % (dried basis)	99.5%
Pharmacopoeia Specification(s)	USP	Conforms

Specification Version	v1.1
Manufacture Date	2023-12-02
Re-Test Date	2031-04-15

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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