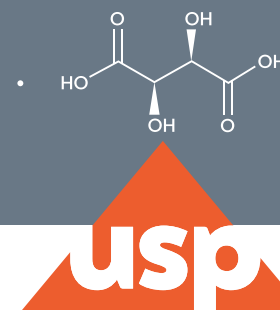
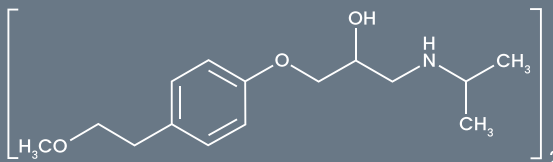


Metoprolol

Quality Solutions

Category: Cardiovascular



Authorized Distributor

USP can support your development and manufacturing activities on Cardiovascular-based medicines with these existing and upcoming standards.

MONOGRAPH 1

METOPROLOL SUCCINATE

Official as of 1-Jun-2020

USP Metoprolol Succinate RS	USP-1441298
USP Metoprolol Related Compound A RS	USP-1441232
USP Metoprolol Related Compound B RS	USP-1441243
USP Metoprolol Related Compound C RS	USP-1441254
USP Metoprolol Related Compound D RS	USP-1441265

MONOGRAPH 2

METOPROLOL FUMARATE

Official as of 1-May-2020

USP Metoprolol Fumarate RS	USP-1441287
USP Metoprolol Related Compound A RS	USP-1441232
USP Metoprolol Related Compound B RS	USP-1441243
USP Metoprolol Related Compound C RS	USP-1441254
USP Metoprolol Related Compound D RS	USP-1441265

MONOGRAPH 3

METOPROLOL TARTRATE

Official as of 1-May-2020

USP Metoprolol Tartrate RS	USP-1441301
USP Metoprolol Related Compound A RS	USP-1441232
USP Metoprolol Related Compound B RS	USP-1441243
USP Metoprolol Related Compound C RS	USP-1441254
USP Metoprolol Related Compound D RS	USP-1441265

MONOGRAPH 4

METOPROLOL TARTRATE INJECTION

Official as of 1-May-2019

USP Oxprenolol Hydrochloride RS	USP-1483505
USP Metoprolol Tartrate RS	USP-1441301
USP Metoprolol Related Compound A RS	USP-1441232
USP Metoprolol Related Compound B RS	USP-1441243
USP Metoprolol Related Compound C RS	USP-1441254

MONOGRAPH 5

METOPROLOL TARTRATE AND HYDROCHLOROTHIAZIDE TABLETS

Official as of 1-Dec-2017

USP Metoprolol Tartrate RS	USP-1441301
USP Hydrochlorothiazide RS	USP-1314009
USP Maltol RS	USP-1375003
USP Benzothiadiazine Related Compound A RS	USP-1057507

MONOGRAPH 6

METOPROLOL TARTRATE COMPOUNDED ORAL SUSPENSION

Official as of 1-Dec-2016

USP Metoprolol Tartrate RS	USP-1441301
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MONOGRAPH 7

METOPROLOL TARTRATE TABLETS

Official as of 1-Dec-2017

USP Oxprenolol Hydrochloride RS	USP-1483505
USP Metoprolol Tartrate RS	USP-1441301
USP Metoprolol Related Compound C RS	USP-1441254

MONOGRAPH 8

METOPROLOL SUCCINATE EXTENDED-RELEASE TABLETS

Official as of 13-Sep-2024

USP Metoprolol Succinate RS	USP-1441298
USP Metoprolol Related Compound A RS	USP-1441232

MONOGRAPH 9

METOPROLOL TARTRATE COMPOUNDED ORAL SOLUTION

Official as of 1-Dec-2016

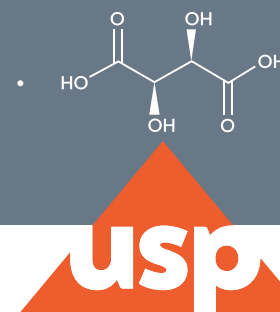
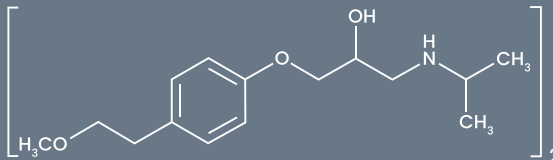
USP Metoprolol Tartrate RS	USP-1441301
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Metoprolol

Quality Solutions

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MONOGRAPH 10

METOPROLOL SUCCINATE EXTENDED-RELEASE CAPSULES

PF 49(6) as of 31-Jan-2024

USP Methoxyethyl Phenol RS	USP-1441288
USP Metoprolol Dimer RS	USP-1441286
USP Metoprolol Related Compound E RS - NEW	USP-1441276
USP Metoprolol Succinate RS	USP-1441298

PHARMACEUTICAL ANALYTICAL IMPURITIES* (PAI)

1,3-BIS (ISOPROPYLAMINO) PROPAN-2-OL DIHYDROCHLORIDE	USP-1A05580
N-NITROSO METOPROLOL SOLUTION	USP-1A04200
O-DESMETHYL METOPROLOL	USP-1A03310

INCLUDED GENERAL CHAPTERS

<1> INJECTIONS AND IMPLANTED DRUG PRODUCTS (PARENTERALS)—PRODUCT QUALITY TESTS

Official as of 01-May-2024

<11> USP REFERENCE STANDARDS

Official as of 01-Nov-2020

<71> STERILITY TESTS

Official as of 31-Dec-2012

<85> BACTERIAL ENDOTOXINS TEST

Official as of 01-May-2018

USP Endotoxin RS	USP-1235503
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<197> SPECTROSCOPIC IDENTIFICATION TESTS

Official as of 01-Sep-2021

<281> RESIDUE ON IGNITION

Official as of 31-Dec-2012

<621> CHROMATOGRAPHY - NEW

Official as of 01-Dec-2024

<711> DISSOLUTION

Official as of 01-May-2023

USP Dissolution Performance Verification Standard Prednisone RS	USP-1222818
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<731> LOSS ON DRYING

Official as of 01-Nov-2020

<781> OPTICAL ROTATION - NEW

Official as of 01-Dec-2024

<791> PH

Official as of 01-Aug-2024

<795> PHARMACEUTICAL COMPOUNDING—NONSTERILE PREPARATIONS

Official as of 01-Nov-2023

<905> UNIFORMITY OF DOSAGE UNITS

Official as of 01-Aug-2023

INCLUDED EXCIPIENTS

MICROCRYSTALLINE CELLULOSE

Official as of 1-Dec-2019

USP Microcrystalline Cellulose RS	USP-1098388
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SILICON DIOXIDE

Official as of 1-Jun-2023

TITANIUM DIOXIDE

Official as of 1-Jun-2023

GLYCERIN

Official as of 1-Aug-2024

USP Diethylene Glycol RS	USP-1193265
USP Ethylene Glycol RS	USP-1265515
USP Glycerin RS	USP-1295607

MAGNESIUM STEARATE

Official as of 1-Aug-2016

USP Palmitic Acid RS	USP-1492007
USP Stearic Acid RS	USP-1621008

* Pharmaceutical Analytical Impurities (PAI products) are released using a process developed by USP's subject matter experts. The release process is based on internal policies, standard operating procedures, and requirements as defined by USP's Quality Management System. USP is an ISO 9001:2015 certified facility. PAI products are different from official USP Reference Standards. PAI products are not required for compendial compliance.