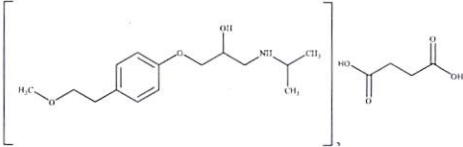


# Certificate of Analysis



 Certificate No.: **20260624002**

Date: June 24, 2026

Retest date: June 22, 2029

<b>Compound Name:</b>	<b>Metoprolol Succinate</b>	
<b>Synonyms:</b>	1-(isopropylamino)-3-(4-(2-methoxyethyl)phenoxy)propan-2-ol, succinic acid (2:1)	
<b>TLC Catalogue Number:</b>	M-0836	
<b>CAS Number:</b>	98418-47-4	
<b>Alternate CAS Number:</b>	51384-51-1 (free base)	
<b>Molecular Weight:</b>	2*267.37 118.09	
<b>Molecular Formula:</b>	2 C <sub>15</sub> H <sub>25</sub> NO <sub>3</sub> . C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>	
<b>Source:</b>	TLC Pharmaceutical Standards	
<b>Source Lot No.:</b>	7351-010A1	
<b>Storage Conditions:</b>	Store at 2-8 °C	
<b>Solubility:</b>	Methanol, DMSO, DMF, Water	

Test Description	Specifications	Results
<b>Visual Description</b>	White to off-white solid	<b>Conforms</b>
<b>Identification</b>		
IR	Conforms to structure	<b>Conforms</b>
MS	Conforms to structure	<b>Conforms</b>
<sup>1</sup> H NMR	Conforms to structure	<b>Conforms</b>
<b>Purity (HPLC)</b>	Not less than 95.0%	<b>99.8%</b>
<b>Impurity (HPLC)</b>	RT 1.17, 0.17%	
<b>Water Content (KF)</b>	N/A	<b>1.6%</b>
<b>Residue (TGA at 800 °C)</b>	N/A	<b>0.3%</b>
<b>Residual Solvents (NMR)</b>	No residual solvent	
<b>Assay (%)</b>	Not less than 90.0%	<b>97.9%</b>
<b>Recommendation:</b>	<b>Release.</b>	

Name	Department	Signature	Date
Reviewed and approved by:	Quality Control		06/24/2026
Approved by:	Quality Assurance		06/24/2026

**Attachments:** Peak Attribution Table, Assay Calculation, HPLC, IR, MS, NMR and TGA spectra.