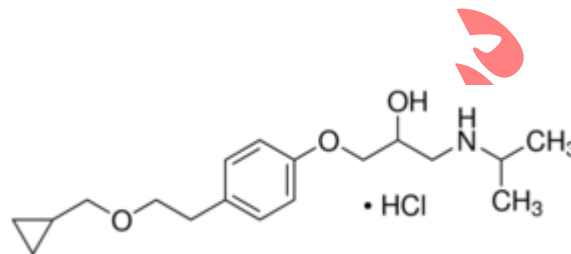


## Certificate of Analysis

**Product Name:** Betaxolol Hydrochloride working standard  
**Trade Name:** Kerlone  
**Product Number:** Hamy02  
**Batch Number:**  
**Brand:**  
**CAS Number:**  
**Formula:** C<sub>18</sub>H<sub>29</sub>NO<sub>3</sub>.HCl  
**Formula Weight:** 343.9 g/mol  
**Storage Temperature:** Store at 4-8 °C  
**Quality Release Date:**  
**PubChem Preview ID:** -



**Application Note:** For peak identification. It is freely soluble in water, ethanol, chloroform, and methanol, and has a pKa of 9.4.

Test	Specification	Result
Appearance (Color)	White to Beige	White crystalline
Appearance (Form)	Powder	Powder
Solubility (Color)	Conforms to requirements	-
Solubility (Turbidity)	Clear	-
Concentration	≥ 36 mg/mL	???
Identification (IR, chloride test)		
pH		
Heavy metal		
Loss on drying		
Residue on ignition		
Organic impurities		
Assay		

## Method Summary

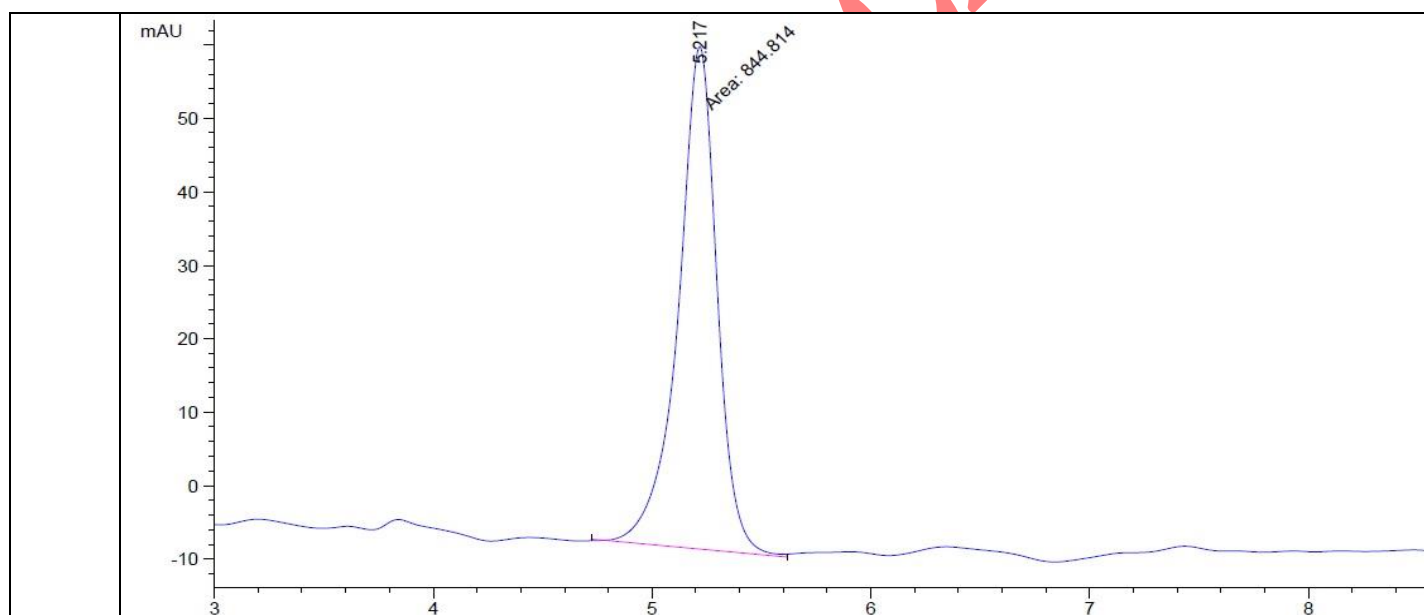
**HPLC** – Analytical HPLC analysis was carried out using reverse-phase chromatography under the following conditions:

Column: **Waters Xbridge OST C18 (4.6 x 50 mm, 2.5 μm)**

Wavelength: 220 nm

Flow: **1.0 mL/min.**

HPLC data and Chromatogram			
Sample Name:	???	Injection Volume:	???
Vial Number:	???	Channel:	???
Sample Type:	???	Wavelength:	220 nm
Control Program:	???	Bandwidth:	???
Quantified Method:	???	Dilution Factor:	1.000
Recording Time:	???	Sample Weight:	???
Run Time (min):	???	Sample Amount:	???



No.	Ret. Tim min	Peak name	Width min	Height mAU	Area mAU*min	Real area %	Amount	Type
1	5.217	n.a.	0.2057	68.45019	844.81390	100	n.a.	MM
2								
3								
<b>Total:</b>				68.45019	844.81390	100		

Maryam Yousefi /PhD/PhD,  
Supervisor Quality Assurance

HamyLab warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact technical service ([hamylabs@gmail.com](mailto:hamylabs@gmail.com)). Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.