

## **TECHNICAL DATA SHEET**

002321-TDS-ENG-2025

ATENOLOL (EUR. PH.)				
DESCRIPTION DCI: ATENOLOL		DESCRIPTION DOE: ATENOLOL		
CAS Nº: 29122-68-7	EC Nº: 249-451-7		AEMPS CODE: 356A	
MOL. WEIGHT: 266,3	MOL. FORMULA: C14H22N2O3		ARTICLE CODE: 002321	

ATTRIBUTES	SHOULD BE	
Appearance	White or almost white powder	
Solubility	Sparingly soluble in water, soluble in anhydrous ethanol, slightly soluble in methylene chloride	
Identification B	Complies	
Appearance of solution	Clear and not more intensely coloured that ref. sol. grade 6	
Optical rotation	+0.10° / -0.10°	
Related substances		
Impurity B	=< 0.2 %	
Impurity F	=< 0.15 %	
Impurity G	=< 0.15 %	
Impurity I	=< 0.15 %	
Impurity J	=< 0.15 %	
Unspecified impurities	=< 0.10 %	
Total impurities	=< 0.5 %	
Chlorides	=< 0.1 %	
Loss on drying	=< 0.5 %	
Sulfated ash	=< 0.1 %	
Assay	99.0 - 101.0 %	

## COMPLIES WITH

European Pharmacopoeia 11.0

## STORAGE

Keep locked up. Keep away from heat or from sources of ignition.

## REMARKS

Atenolol is subjected to the requirements of the ICH Q3D "Elemental Impurities" guideline and the requirements of guides EMA/CHMP/ICH/82260/2006 - ICH Q3C (R6) "Residual solvents".

Absence of N-nitrosamines impurities has been ensured after a risk evaluation according to ICH Q9, ICH M7 and in accordance with guidelines EMA/428592/2019 Rev 2 and EMA/189634/2019.

Certificates of residual solvents, allergens, non-GMO and BSE-TSE, among others, are available upon request.

All methods of analysis are validated by official pharmacopoeias or are validated by internal methods of the manufacturer, which can be obtained at specific request. The above information does not exempt from the obligation to identify the product before use.