KEY TO MONOGRAPHS

Carbimazole	EUROPEAN PHARMACOPOEIA 11.8
[Version date of the text
01/2021:0884	Text reference number
corrected 11.8	
	Modification to be taken into account as soon as possible and not later than the end of the month following the month of publication of Ph. Eur. 11.8
$\begin{array}{c} Carbimazolum \\ & \swarrow \\ H_{3}C^{-N} \swarrow^{N} \swarrow^{O} \swarrow^{CH_{3}} \end{array}$	Link to further information on the text (e.g. Knowledge database) for smartphones/tablets with camera and barcode reader app
s 0	Footnote mainly for harmonised texts
$C_7 H_{10} N_2 O_2 S$	000 minutes
[22232-54-8] <i>M</i> _r 186.2	CAS number
DEFINITION	
Ethyl 3-methyl-2-thioxo-2,3-dihydro-1 <i>H</i> -imidazole-1- carboxylate.	Chemical name in accordance with IUPAC nomenclature rules
<i>Content</i> : 98.0 per cent to 102.0 per cent (dried substance).	
♦ CHARACTERS	in harmonised texts only.
Appearance: white or vellowish-white crystalline powder	See chapter 5.8. Pharmacopoeial
Solubility: slightly soluble in water, soluble in acetone and in	harmonisation for more information
ethanol (96 per cent). ♦	
IDENTIFICATION	
First identification: B.	Application of the first and second
Second identification: A. C.	identification is defined in the General Notices (chapter 1)
A. Melting point (2.2.14): 122 °C to 125 °C.	
B. Infrared absorption spectrophotometry (2.2.24).	
Preparation: discs.	Reference standard available
	(see https://crs.edqm.eu)
Text solution: Disaster 10 mar a the solution as to be	
examined in <i>methylene chloride</i> R and dilute to 10 mL	Descent described in shorter 4
with the same solvent.	Reagent described in chapter 4
<i>Reference solution.</i> Dissolve 10 mg of <i>carbimazole CRS</i> in <i>methylene chloride R</i> and dilute to 10 mL with the same solvent	
Plate: TIC silica gal CE plata P	Further information on certain reagents
Mobile phase: acetone R. methylene chloride R	(https://go.edqm.eu/knowledge)
(20:80 V/V).	
Application: 10 µL.	
Development: over 3/4 of the plate.	
Drying: in air for 30 min.	
Detection: examine in ultraviolet light at 254 nm.	
obtained with the test solution is similar in position and size to the principal spot in the chromatogram obtained with the reference solution. \Diamond	
TESTS	
Related substances. Liquid chromatography (2.2.29).	Reference to a general chapter
<i>Test solution.</i> Dissolve 5.0 mg of the substance to be	
examined in 10.0 mL of a mixture of 20 volumes of acetonitrile R and 80 volumes of water R. Use this solution	Footnote is mainly included for
within 5 min of preparation.	harmonised texts

General Notices (1) apply to all monographs and other texts

See the information section on general monographs (cover pages)