



## ANALYSIS CERTIFICATE

**Lot/Analysis/Analysis N°: 224905**

Product:	METFORMIN HYDROCHLORIDE
Lot:	224905
Expiry date:	30/04/2027
Reference:	Cumple PhEur10.8
Synonyms:	1,1-Dimetilbiguanida clorhidrato.
Formule:	C4H11N5·HCl
Poids moléculaire:	165,6 g/mol

Assay	Result	Specification	
Identification	Conform (B,E)	Test PhEur (B,E)	
Organoleptic properties	Conform	PhEur	
Appearance of the S solution (10% water)	Conform		
Elemental impurities	Conform	Test PhEur	#
Related substances (HPLC)	Conform		
Loss on drying	0,02 %	<= 0,5 %	
Sulphated ashes	0,03 %	<= 0,1%	
ASSAY (anhydrous vehicle PFP)	100,1 %	98,5-101,0%	
Impurity F	0,008 %	<= 0,05 %	
Impurity A	0,0003 %	<= 0,02 %	
Unspecified Impurities	< 0,03 %	<= 0,05 %	
Total impurities	< 0,03 %	<= 0,2 %	
Residual solvent: Methanol	< 1000 ppm	<= 1000 ppm	#
Residual solvent: xylene	< 500 ppm	<= 500 ppm	#

Organoleptic characteristics: White or almost white crystals. Freely soluble in water, slightly soluble in ethanol (96 per cent), practically insoluble in acetone and in methylene chloride.

Conservation: In tightly closed containers. Protect from moisture.

Date of analysis: 21/10/2022

Judgement:  
APPROVED

Responsible: C. Codina

Technical director: Montserrat Enrique

Manufacturer: F00231 WANBURY LIMITED

Manufacturer batch: ME05990522

Produit	Nom	Capacité	Lot
1160111	METFORMINA CLORHIDRATO	100 g	224905-J-1
1160114	METFORMINA CLORHIDRATO	1 kg	224905-P-1
1160116	METFORMINA CLORHIDRATO	25 kg	224905-T-1

This certificate is not initialled as it is computer processed, it is validated with the originals available at Acofarma.

Original manufacturer's certificate available on request.

(#) Parameter controlled by the manufacturer

(=) UE certificate

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