

Wanbury Limited

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Certificate of Analysis

Pro	duct		
100			

: Metformin Hydrochloride BP/ PhEur/USP BMS1190911

Batch No.

04.

05

06.

07.

Batch Size

C. By TLC

Qty. Supplied Qty. Sampled

2002.40 kg

: 2000 kg : 100 g

Mfg. Date

Exp. Date Date of Sampling

: September-2011 : August -2016 : September 19, 2011

Date of analysis Mfg

: September 21, 2011 242

Ļ	Lic. No.	: KD-2

Sr. No.	Tests	Observations	C
Ò1.	Appearance	White Crystals	Specifications White Crystals
02.	Solubility	Freely soluble in water, slightly soluble in alcohol	Freely soluble in water, slightly soluble in alcohol, practically insoluble in
03.	03. Identification A. Melting point B. IR Spectrum	223°C Concordant	acetone and in methylene chloride. 222 °C to 226 °C Infrared absorption spectrum of sample should concordant with that of
			Metformin hydrochloride working

standard. Conforms

Solution is clear and

Complies

colourless

The principal spot in the chromatogram obtained with the test solution should be similar in position, colour and size to the principal spot in the chromatogram obtained with reference solution.

A pink colour should develop Should be positive

Should be clear and colourless

Not more than 0.02%

Not more than 10 ppm

Not more than 0.5 %

Not more than 0.1 %

98.5% - 101.0%

Not more than 0.1% Not more than 0.3%

D. Colour test E. Chlorides Appearance of solution (10% solution in water) Related substances (by HPLC)

a) Impurity A
(Cyanoguanidine)
b) Other impurity
c) Total impurities

0.003% 0.026% 0.050% Less than 10 ppm

Heavy metals Loss on drying at 105°C for 5 0.20% hours Sulphated ash

08. 09. Assay (% on dry basis) Additional Test 10 Residual Solvent

99.6%

Remarks: Product Complies with B.P-2011 / PhEur -7th Edition /USP-33/Customer Specifications/COS NO.: RI-CEP 1998-079-Rev. ©

Declaration: Product is free from animal derived materials and is manufactured from synthetic sources only.

Salva 26.09

S. K. Dalvi Analyst

A.D.Gaikwad Asst.Manager QA/QC

Checked By:

Approved By:

M. G. Narayan DGM-QA/QC

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